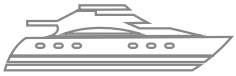
AL-KO VT
VEHICLE TECHNOLOGY

Member of DEXKO GLOBAL

ELECTRONICS
FOR CARAVANNING & MARINE

PRODUCT CATALOGUE 2026-2027

SOLAR SYSTEM

NEW TECHNOLOGY

MODULAR PLATES

ENERGY LINE

DIGITIZE YOUR MOTORHOME

Technical specifications are subject to change without prior notice.

The installation must be carried out by a qualified technician.

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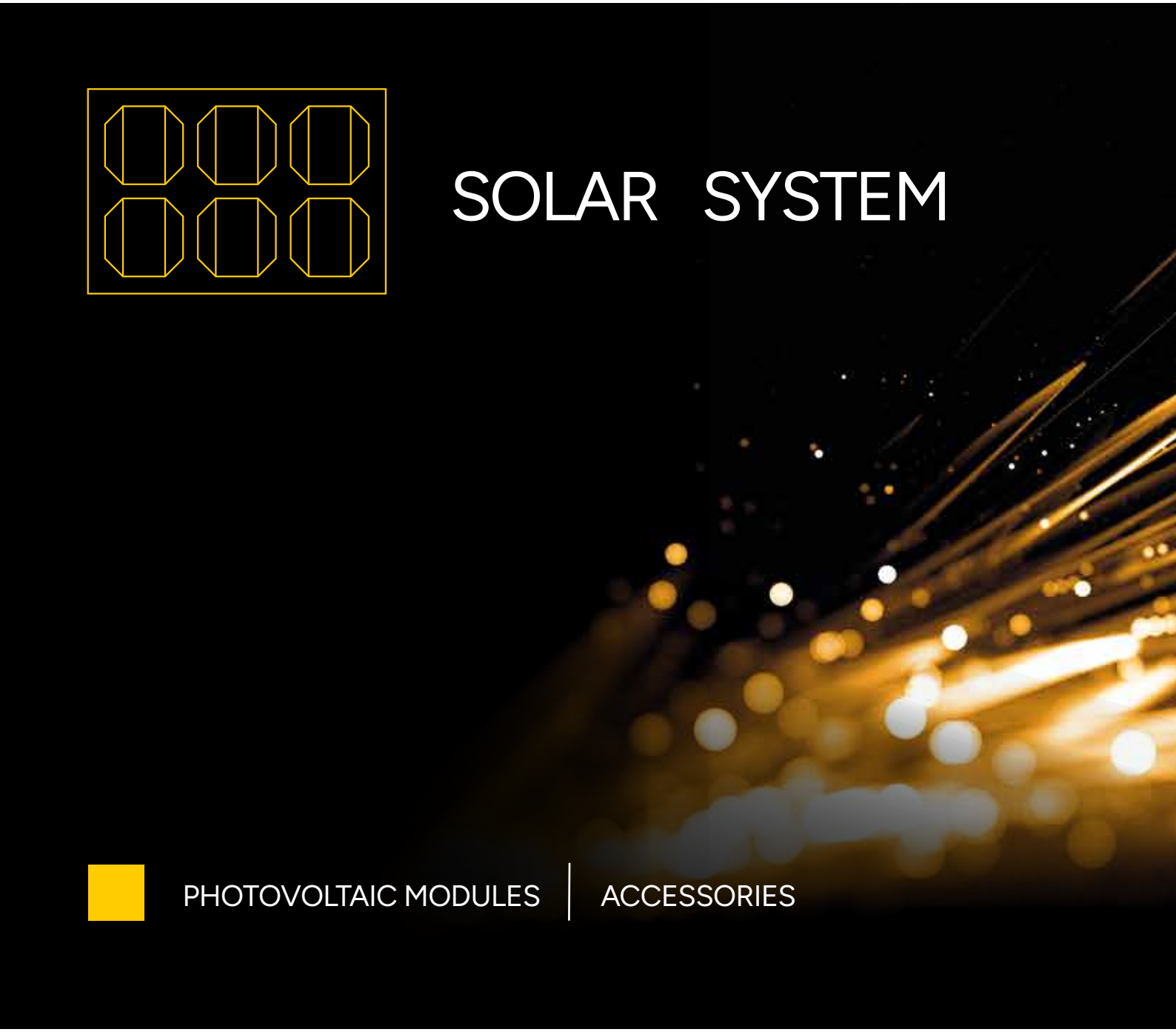
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SOLAR SYSTEM



PHOTOVOLTAIC MODULES | ACCESSORIES



CBE

SUPER BLACK PHOTOVOLTAIC MODULES HIGH EFFICIENCY SERIES

PHOTOVOLTAIC MODULES made **with PERC (Passivated Emitter and Rear Cell) solar cells and Back Contact** guarantee a higher level of conversion efficiency and, at the same time, additional technical advantages such as a lower temperature coefficient and, therefore, better performance. The high-quality anti-reflective coating of the cells and special glass make for a truly high-performance photovoltaic module. The high transmittance tempered glass is impact and weather resistant. The back of the module is protected by a sheet of white Tedlar, preventing any infiltration of air and moisture, thus isolating the electrical contacts and avoiding any possibility of their oxidation. The module frame is made of anodised aluminium and the bypass diodes and cable glands needed for connection are housed in the junction box at the back. CBE photovoltaic modules are built using the most advanced technology in line with European standards and are covered by a 25-year warranty on the declared power.

NEW



SLIM VERSION

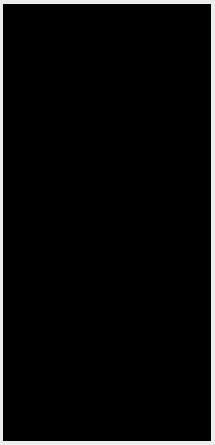
WIDTH 515mm

155W

BACK CONTACT

MFBC155S
155W

NEW



MAX WIDTH 675mm

190W

230W

270W

BACK CONTACT

MFBC270
270W

	SLIM	HIGH POWER		
MODEL	MFBC155S	MFBC190	MFBC230	MFBC270
PART-NR	**4304174**	**4300445**	**4304175**	**4304176**
TYPE	BC **(Back Contact)** Super Black Slim Version	BC **(Back Contact)** Super Black	BC **(Back Contact)** Super Black	BC **(Back Contact)** Super Black
CELLS NUMBER	96 (3*32)	60 (4*15)	72 (4*18)	88 (4*22)
RATED VOLTAGE	12 V	12 V	12 V	12 V
MAX POWER	155 W	190 W	230 W	270 W
TOLERANCE	+-3 %	+-3 %	+-3 %	+-3 %
OPEN CIRCUIT VOLTAGE	22,40V	21,60V	25,20V	30,80V
SHORT CIRCUIT CURRENT	8,57 A	10,84 A	11,19 A	10,82 A
VOLTAGE AT MAX POWER	19,20 V	18,60 V	21,60 V	26,40 V
CURRENT AT MAX POWER	8,08 A	10,22 A	10,65 A	10,23 A
DIMENSIONS (mm)	1400 x 515 x 30	1300 x 670 x 30	1560 x 675 x 35	1900 x 675 x 35
WEIGHT (Kg)	7,7	9,4	11,0	13,4
CELL EFFICIENCY	25,5%	25,5%	25,5%	25,5%

PHOTOVOLTAIC MODULES BLACK SERIES PERC TECHNOLOGY

PHOTOVOLTAIC MODULES made **with PERC (Passivated Emitter and Rear Cell) solar cells and Back Contact** guarantee a higher level of conversion efficiency and, at the same time, additional technical advantages such as a lower temperature coefficient and, therefore, better performance. The high-quality anti-reflective coating of the cells and special glass make for a truly high-performance photovoltaic module. The high transmittance tempered glass is impact and weather resistant. The back of the module is protected by a sheet of white Tedlar, preventing any infiltration of air and moisture, thus isolating the electrical contacts and avoiding any possibility of their oxidation. The module frame is made of anodised aluminium and the bypass diodes and cable glands needed for connection are housed in the junction box at the back. CBE photovoltaic modules are built using the most advanced technology in line with European standards and are covered by a 25-year warranty on the declared power.



SLIM VERSION

WIDTH 530mm

105W

MFB105
105W



MAX WIDTH 670mm

140W

170W

MFB170
170W

MODEL	MFB105	MFB140	MFB170
PART-NR	**4300257**	**4300258**	**4300259**
TYPE	PERC (Passivated Emitter and Rear Cell)	PERC (Passivated Emitter and Rear Cell)	PERC (Passivated Emitter and Rear Cell)
CELLS NUMBER	36	33	36
RATED VOLTAGE	12 V	12 V	12 V
MAX POWER	105 W	140 W	170 W
TOLERANCE	+-3 %	+-3 %	+-3 %
OPEN CIRCUIT VOLTAGE	23,76 V	21,78V	23,76 V
SHORT CIRCUIT CURRENT	5,33 A	7,75 A	8,63 A
VOLTAGE AT MAX POWER	20,88 V	19,14 V	20,88 V
CURRENT AT MAX POWER	5,03 A	7,31 A	8,14 A
DIMENSIONS (mm)	1062 x 530 x 30	1116 x 670 x 30	1320 x 670 x 30
WEIGHT (Kg)	6,2	8	9,5

CBE

PHOTOVOLTAIC MODULES STANDARD SERIES

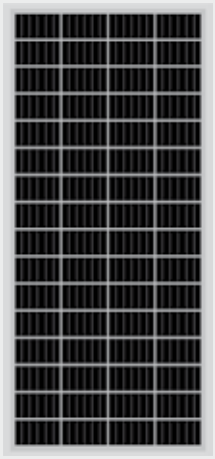
PHOTOVOLTAIC MODULES made **with PERC (Passivated Emitter and Rear Cell) solar cells and Back Contact** guarantee a higher level of conversion efficiency and, at the same time, additional technical advantages such as a lower temperature coefficient and, therefore, better performance. The high-quality anti-reflective coating of the cells and special glass make for a truly high-performance photovoltaic module. The high transmittance tempered glass is impact and weather resistant. The back of the module is protected by a sheet of white Tedlar, preventing any infiltration of air and moisture, thus isolating the electrical contacts and avoiding any possibility of their oxidation. The module frame is made of anodised aluminium and the bypass diodes and cable glands needed for connection are housed in the junction box at the back. CBE photovoltaic modules are built using the most advanced technology in line with European standards and are covered by a 25-year warranty on the declared power.



SLIM WIDTH 530mm

140W

MF140S



MAX WIDTH 700mm

200W

MF200

MODEL	MF140S	MF200
PART-NR	**4300363**	**4300330**
TYPE	PERC (Passivated Emitter and Rear Cell)	PERC (Passivated Emitter and Rear Cell)
CELLS NUMBER	33	64
RATED VOLTAGE	12 V	12 V
MAX POWER	140 W	200W
TOLERANCE	+-3 %	+-3 %
OPEN CIRCUIT VOLTAGE	21,78V	21,12 V
SHORT CIRCUIT CURRENT	7,76 A	11,42 A
VOLTAGE AT MAX POWER	19,14 V	18,56 V
CURRENT AT MAX POWER	7,32 A	10,78 A
DIMENSIONS (mm)	1345 x 530 x 30	1400 x 704 x 35
WEIGHT (Kg)	7,5	11,6

PHOTOVOLTAIC MODULES - FLEXIBLE SERIES

CBE PHOTOVOLTAIC MODULES made with **PERC (Passivated Emitter and Rear Cell) solar cells** guarantee a higher level of conversion efficiency and, at the same time, additional technical advantages such as a lower temperature coefficient and, therefore, better performance. The high-quality anti-reflective coating of the cells make for a truly high-performance photovoltaic module. The module is protected by a layer of ETFE (etilene-tetrafluoroetilene) very resistant at UV, harsh weather conditions and anti-crack film for mechanical damages. The module is protected, preventing any infiltration of air and moisture, thus isolating the electrical contacts and avoiding any possibility of their oxidation. The bypass diodes and cable glands needed for connection are housed in the junction box at the front. CBE photovoltaic modules are built using the most advanced technology in line with European standards on the declared power.
The flexible panels are provided with metal fixation holes of 10mm, at four corners and along the sides.



MFFL150
150W



MFFL190
190W

MODEL	MFFL150	MFFL190
PART-NR	**4303468**	**4303469**
TYPE	PERC (Passivated Emitter and Rear Cell)	PERC (Passivated Emitter and Rear Cell)
CELLS NUMBER	33 (210*105)	105 (210*42)
RATED VOLTAGE	12 V	12 V
MAX POWER	150 W	190 W
TOLERANCE	+-3 %	+-3 %
OPEN CIRCUIT VOLTAGE	21,78V	23,10 V
SHORT CIRCUIT CURRENT	8,32A	9,93 A
VOLTAGE AT MAX POWER	19,14 V	20,30 V
CURRENT AT MAX POWER	7,84A	9,36 A
DIMENSIONS (mm)	1260 x 690 x 3	1620 x 690 x 3
WEIGHT (Kg)	2,3	2,9

CBE

PHOTOVOLTAIC MODULES - TOPCON

N TYPE TOPCON TECHNOLOGY
High-efficiency photovoltaic cells based on N type silicon featuring a Tunnel Oxide Passivated Contact (TOPCon) structure. This solution incorporates an ultra-thin silicon oxide layer combined with a doped polysilicon contact, reducing energy losses and optimizing electron flow within the cell.

The result is higher conversion efficiency, improved performance in low irradiance and high-temperature conditions, as well as reduced degradation over time, ensuring more stable and long-lasting energy production.

NEW



ULTRA SLIM VERSION

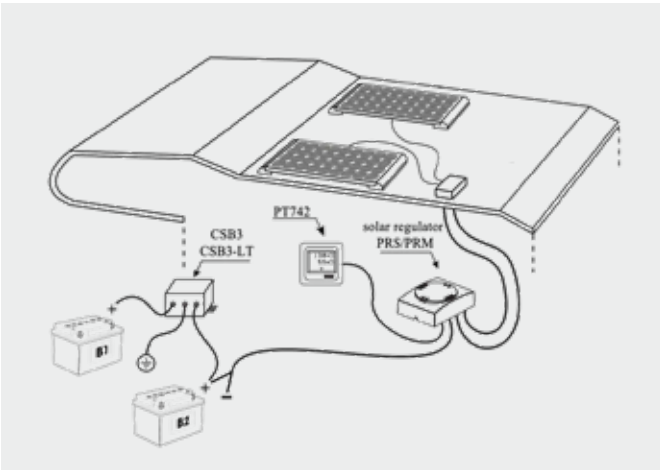
WIDTH 450mm

110W

MFBN110S
110W

MODEL	MFBN110S
PART-NR	**4303467**
TYPE	N-TopCon (n-type Tunnel Oxide Passivated Contact)
CELLS NUMBER	32
RATED VOLTAGE	12 V
MAX POWER	110W
TOLERANCE	+-3 %
OPEN CIRCUIT VOLTAGE	23,04 V
SHORT CIRCUIT CURRENT	5,83 A
VOLTAGE AT MAX POWER	19,84 V
CURRENT AT MAX POWER	5,55 A
DIMENSIONS (mm)	1200 x 450 x 30
WEIGHT (Kg)	5,9

WIRING DIAGRAM





SOLAR PANEL FIXING KITS

The KFPN and KFPB supports are made, respectively, in **silver anodized aluminum** and **black anodized aluminum** and feature an innovative and aerodynamic design. They have been studied specifically for motorhomes and caravans and are easy to install, as they do not require holes.

KFPN AND KFPB

MODEL	PART-NR	DIMENSIONS (mm)	WEIGHT (Kg)
KFPB450 (nero)	4302368	450x 60 x 50	0,37
KFPB510 (nero)	4304162	510 x 60 x 50	0,44
KFPB530 (nero)	4300263	530 x 60 x 50	0,45
KFPB670 (nero)	4300264	670 x 60 x 50	0,55
KFPN530	4300034	530 x 60 x 50	0,45
KFPN670	4300035	670 x 60 x 50	0,55
KFPN700	4300360	700 x 60 x 50	0,60





FOR LEISURE BATTERY TECHNOLOGY
LITHIUM

CSB3 4300358

CAR BATTERY AUTOMATIC RECHARGING DEVICE. When the leisure battery voltage exceeds 13,6V (battery charger and/or photovoltaic modules are charging), the device allows to recharge the car battery (through the leisure battery). Charging current is set to max 4A, according to the batteries' condition. When the leisure battery voltage is lower than 12,5V, the car battery recharging system is deactivated. When the green LED is on, it means that the CSB-3 is ready to recharge the car battery if necessary. Dimensions: 80 x 50 x 50mm

CSB3-LT 4300359

CAR BATTERY AUTOMATIC RECHARGING DEVICE both for photovoltaic modules and for battery chargers, through the service battery. This device is suitable for operation with lithium service batteries and is installed close to the batteries, thus avoiding connecting the car battery to the solar charge regulator.
It charges the car battery with a current from 0.1A to max 4A, depending on the battery status and giving priority to the service battery. When the green LED is on, it means that the CSB3-LT is ready to recharge the car battery if necessary.
Dimensions: 80 x 50 x 50mm

CBE

PRS150, PRS300 AND PRS350 SOLAR CHARGE REGULATORS FOR 12V PHOTOVOLTAIC MODULES

The solar charge regulators PRS150, PRS300 and PRS350 are compatible with 12V photovoltaic modules. Designed and developed with cutting-edge electronics, they offer high electrical performance and very low heat dissipation.

PRS150 is compatible with photovoltaic modules with a maximum power of 150W. It features two LEDs to indicate the battery charge and is also designed to replace the PRS110 model.

PRS300 and PRS350 are designed to connect photovoltaic modules with a total maximum power of 300W and 350W respectively and are ready for connection of the PT742 test panel, used to monitor photovoltaic module charge and battery voltage. PRS300 and PRS350 have separate charge lines that can be selected using a switch inside the controller. There is also a battery desulphation function that is automatically activated only when needed. The 4 LEDs indicate the battery charge, any incorrect electrical connections and the on/off status of the device.



PRS150 4300364



PRS300 4300011

ALSO SUITABLE FOR LITHIUM BATTERY
LITHIUM
CL BUS



PRS350 4300365

MODEL	PRS150	PRS300	PRS350
PART-NR	**4300364**	**4300011**	**4300365**
RATED VOLTAGE	12V	12V	12V
MAXIMUM VOLTAGE OF THE PHOTOVOLTAIC MODULE IN OPEN CIRCUIT (Voc)	27V	27V	28V
MAX POWER PHOTOVOLTAIC MODULES	150W	300W	350W
MAXIMUM OUTPUT CURRENT	9A	17A	20A
NUMBER OF PHOTOVOLTAIC MODULES CONNECTIONS	1	2	2
BATTERY SELECTOR	NO	3-position dip-switch	4-position dip-switch
NUMBER OF CHARGE LINES	1	3	8
BATTERY DESULPHATION	NO	YES	Yes (except for the lithium charging line)
REVERSE CURRENT BLOCKING PROTECTION	Diodo	Elettronico	Elettronico
REVERSE POLARITY PROTECTION	YES	YES	YES
TEST PANEL CONNECTION	NO	PT 742	PT 742
SELF-CONSUMPTION	0,01mA	0A (switches off automatically in the absence of sunlight)	0A (switches off automatically in the absence of sunlight)
AUTOMATIC SHUTDOWN	In the absence of sunlight	In the absence of sunlight	In the absence of sunlight
DIMENSIONS (mm)	115 x 90 H37	115 x 90 H37	115 x 90 H37

PRM350 MPPT SOLAR CHARGE REGULATOR FOR PHOTOVOLTAIC MODULES

The PRM350 solar charge regulator can charge lead (liquid, gel and AGM) and lithium 12V batteries automatically controlling and limiting the energy supplied by the connected photovoltaic modules.
It features a MPPT (Maximum Power Point Tracker) system that allows picking in every situation of the maximum power supplied by the photovoltaic module.

The PRM350 is suitable for operation with 32 to 72-cell photovoltaic modules up to a maximum power of 350W.
For optimal performance, you are advised to connect photovoltaic modules with a number of cells in series over 36, regardless the type of installation chosen.



PRM350 4300177

MODEL	PRM350
PART-NR	4300177
BATTERY RATED VOLTAGE	12V
MAXIMUM VOLTAGE OF THE PHOTOVOLTAIC MODULE IN OPEN CIRCUIT (Voc)	50V
MAX POWER PHOTOVOLTAIC MODULES	300W (32÷40 celle) – 350W (41÷72 celle)
MAXIMUM OUTPUT CURRENT	25A
NUMBER OF PHOTOVOLTAIC MODULES CONNECTIONS	2
PERFORMANCE	>95%
END-OF-CHARGE VOLTAGE	14,1V (A) - 14,4V (B) - 14,7V (C) - 14,6V (Li)
FLOAT VOLTAGE	13,5V (A) - 13,8V (B) - 13,8V (C) - 13,8V (Li)
BATTERY SELECTOR	3-position dip-switch
NUMBER OF CHARGE LINES	4
BATTERY DESULPHATION	Electronic
REVERSE CURRENT BLOCKING PROTECTION	YES
REVERSE POLARITY PROTECTION	YES
TEST PANEL CONNECTION	PT 742
SELF-CONSUMPTION	0A (In the absence of sunlight, theregulator switches off completely)
AUTOMATIC SHUTDOWN	in the absence of sunlight
DIMENSIONS (mm)	150 x 110 H48

TEST PANELS FOR SOLAR CHARGE REGULATORS



PT742 / GR 4300178

12V TOUCH TEST PANEL with OLED display for the control of battery voltage and current supplied by the solar panel. The kit includes a cable 1,5m long, a wall-fixing spacer and a “BMAC1C” frame. It works only with “PRS350”, “PRS300”, “PBS90”, “PRM350” and “PRM400” solar charge regulators. This panel fits also the new
“Modular Plates” range.

Colours: /GR Grey RAL 7021
Dimensions: 60 x 60mm



KT1 4300137

1-EXIT ROOF DUCT
(for KTR-G 12mm diameter sheath).
For maximum roof thickness of 60mm.

CBE

NEW PRM400 MPPT SOLAR CHARGE REGULATOR FOR PHOTOVOLTAIC MODULES

The PRM400 solar charge regulator can charge lead (liquid, gel and AGM) and lithium 12V batteries automatically, controlling and limiting the energy supplied by the connected photovoltaic modules. It features an MPPT (Maximum Power Point Tracker) system that allows for the maximum power supplied by the photovoltaic module to be drawn in every situation.

The PRM400 is suitable for operation with 32 to 72-cell photovoltaic modules up to a maximum power of 400W.
For optimal performance, it is advisable to connect photovoltaic modules with a number of cells in series over 36, regardless of the type of installation chosen.



PRM400 4300370 CL BUS APP ONDA SMART SYSTEM

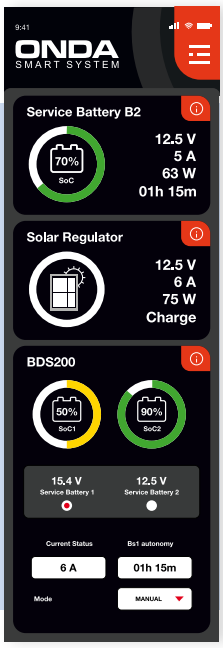
MODEL	PRM400
PART-NR	**4300370**
BATTERY RATED VOLTAGE	12V
MAXIMUM VOLTAGE OF THE PHOTOVOLTAIC MODULE IN OPEN CIRCUIT (Voc)	50V
MAX POWER PHOTOVOLTAIC MODULES	350W (32÷40 celle) – 400W (41÷72 celle)
MAXIMUM OUTPUT CURRENT	28A
NUMBER OF PHOTOVOLTAIC MODULES CONNECTIONS	2
PERFORMANCE	>95%
BATTERY SELECTOR	Dip-switch 4 posizioni
NUMBER OF CHARGE LINES	8
BATTERY DESULPHATION	Electronic
REVERSE CURRENT BLOCKING PROTECTION	YES
REVERSE POLARITY PROTECTION	YES
TEST PANEL CONNECTION	PT 742
SELF-CONSUMPTION	0A (switches off automatically in the absence of sunlight)
AUTOMATIC SHUTDOWN	In the absence of sunlight
DIMENSIONS (mm)	150 x 110 H48

APP - ONDA SMART SYSTEM

DOWNLOAD ON THE App Store DOWNLOAD ON THE Google Play

The "ONDA SMART SYSTEM" App for mobile devices has been specially developed to manage and extend the functions of PRM400. The connection between the PRM400 and the mobile devices is via Bluetooth and it has an operating range limited to the area surrounding the vehicle.

The "ONDA SMART SYSTEM" App allows you to:
- view the charging current of the photovoltaic modules in real time
- view the charging power of the photovoltaic modules in real time
- view the battery voltage in real time
- view the charging phase
- view the manual of the PRM400
- update the PRM400 firmware



NEW PRM800 MPPT SOLAR CHARGE REGULATOR FOR PHOTOVOLTAIC MODULES

The PRM800 solar charge regulator automatically charges 12V and 24V lead-acid (flooded, gel and AGM) and lithium batteries, controlling and limiting the energy supplied by the connected photovoltaic modules.

It features an MPPT (Maximum Power Point Tracker) system that extracts the maximum available power from the photovoltaic module under all operating conditions, ensuring an efficiency greater than 97%.

NEW



PRM800 4360007

MODEL	PRM800
PART-NR	**4360007**
RATED VOLTAGE	12V / 24V
MAXIMUM OPEN-CIRCUIT VOLTAGE OF THE PHOTOVOLTAIC MODULE (Voc)	100V
MAXIMUM PHOTOVOLTAIC POWER	800W with 12V battery 1600W with 24V battery
MAXIMUM OUTPUT CURRENT	60A
NUMBER OF PHOTOVOLTAIC INPUTS	1
EFFICIENCY	>97%
NUMBER OF CHARGE OUTPUTS	5
CONNECTIONS	up to 16mm²
BATTERY REVERSE CURRENT PROTECTION	YES
PHOTOVOLTAIC REVERSE CURRENT PROTECTION	YES
THERMAL PROTECTION	YES
OPERATING TEMPERATURE	-20 +55°C
CONNECTIVITY	Bluetooth
DIMENSIONS (mm)	190 x 230 H50
WEIGHT (g)	2863
PROTECTION RATING	IP54

CBE



KT51 4300431

5-WAY KIT with 2 holes for PG11 for cable routing of photovoltaic modules, video cameras, antennas, etc. from the roof. Suitable for a maximum roof thickness of 60 mm.

KT5 4300024

5-EXITS ROOF DUCT for the wiring of photovoltaic modules, cameras or antennas. For maximum roof thickness of 60mm. Dimensions: 20 x 90 x 30mm



KT51-PG 4300432

5-WAY KIT complete with 2 x PG11 cable glands for cable routing of photovoltaic modules, video cameras, antennas, etc. from the roof.
Suitable for a maximum roof thickness of 60 mm.



KT61 4302643

CABLE ENTRY GLAND with 2 holes for PG11 for cable routing of photovoltaic modules, video cameras, antennas, etc. from the roof. Suitable for routing bulky cables.

KT6 4302642

6-EXITS ROOF DUCT for the wiring of photovoltaic modules, cameras or antennas. Suitable for thick cables.
For maximum roof thickness of 60mm.
Dimensions: 20 x 90 x 30mm.



KT61-PG 4300430

CABLE ENTRY GLAND complete with 2 x PG11 cable glands for cable routing of photovoltaic modules, video cameras, antennas, etc. from the roof.



KT6-PG 4302644

CABLE ENTRY GLAND complete with PG16 cable gland for 2 cables with outer diameter
6mm².



KTR2-P 4300434

PG16 CABLE GLAND suitable for 2 cables with outer diameter 6mm2.

KTR-P 4300026*

PG11 CABLE GLAND complete with nut & gasket. Suitable for Mod. "KT5" roof duct kit.
Colour: grey.



KTR-C 4302652

KIT WITH 2 QUICK CONNECTORS MC4 to connect the latest series of CBE photovoltaic modules.



KTR2-G 4302653

SHEATH Ø 17mm, weatherproof and UVresistant.
L=50 m roll, grey.

KTR-G 4300025

CABLE SHEATH, diameter 12mm, weatherproof and UV resistant. L=50 m.
Colour: grey.



KTR2-F 4302654

SHEATH FASTENER for Ø 17mm sheath, grey.

KTR-F 4302651*

FASTENER for Ø 12mm diameter sheath.
Colour: grey.



KT51-C50 4302645

WIRING KIT FOR latest series of CBE photovoltaic modules complete with UV-resistant cable, 2 x 4 mm², length 5 metres, and "solar" type quick connectors.



KTP-I5 4302646

Solar cable extension 1x4mm², length 1.5 meters, complete with MC4 male/female connectors.



KT51K-C50 4300331

KIT COMPLETE with KT51-PG junction box and KT51-C50 cables.



KT61K-C50 4300433

KIT COMPLETE with junction box, cable glands and 5m cables to connect 2 photo-voltaic modules.



KT6K-C50 4302647

KIT COMPLETE with KT6 - PG cable entry gland and KT51-C50 cables.



KT6-C 4304050

CABLE ENTRY GLAND for the wiring of photovoltaic modules, cameras or antennas. Suitable for thick cables.



KTR-R 4302650*

PG11 STRAIGHT FITTING for KTR-G 12mm diameter sheath complete with nut & gasket. Suitable for "KT5" roof duct kit. Colour grey.



KT1-10 4302655

1-EXIT ROOF DUCT
provided with cable sheath L=1m and 2 x 6mm2 L=2m cables.

KT1-20 4300036

1-EXIT ROOF DUCT
provided with cable sheath L=2m and 2 x 6 mm2 L=3m cables.



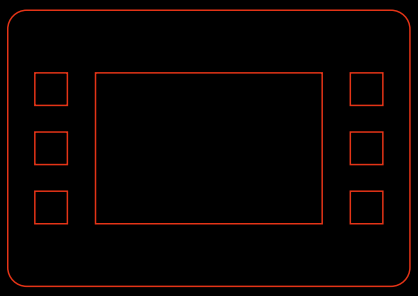
KT5-C10 4300133

KIT FOR "KT5" provided with cable sheath L=1m and 2 x 6 mm² 2m long cables. Provided with PG11 fittings and terminals for photovoltaic module connection.

KT5-C20 4300134

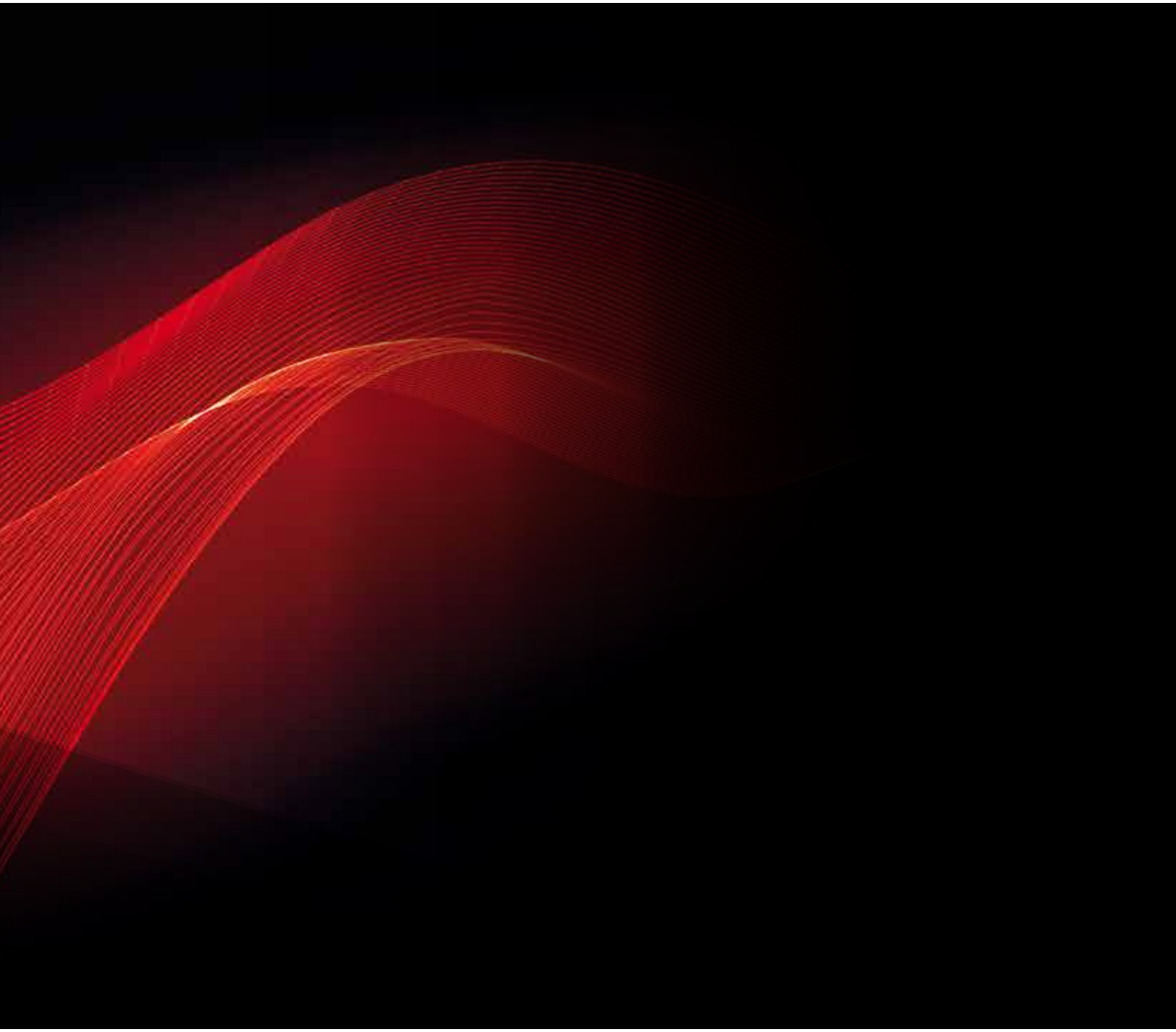
KIT FOR "KT5" provided with sheath L=2m and 2 x 6 mm² 3m long cables. Provided with PG11 fittings and terminals for photovoltaic module connection.

* Minimum order 10 pieces or multiples of 10



NEW TECHNOLOGY

CONTROL PANELS | TEST PANELS | GAS DETECTORS



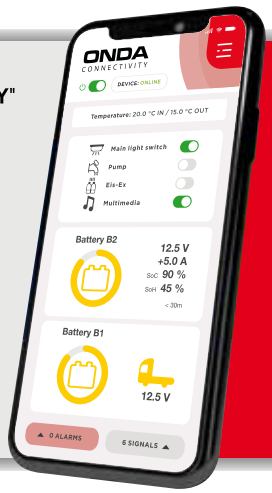
RETROFITTING

BRING HOME AUTOMATION ON BOARD

CBE® NORDELETTRONICA® AL-KO VT VEHICLE TECHNOLOGY

- Control the lights from the app
- Leisure battery charge level
- Solar system charging data
- Set the temperature before your arrival
- Monitor fresh water level
- Monitor refrigerator temperature
- Measure vehicle inclination
- Always know the position of your camper

The "**ONDA CONNECTIVITY**" mobile app has been specifically developed to manage and control all motorhome functions through a single interface. It allows communication with smartphones and tablets via local Bluetooth connection or remotely via cloud through the Internet, all with a single SIM card.





UPDATE YOUR CBE - NORDELETTRONICA SYSTEM

ONLY A FEW DEVICES ARE NEEDED TO MAKE YOUR MOTORHOME SMART



CP107



DL30

DESCRIPTION	MODEL	PART-NR
7" colour touch control panel	CP107-RE	**4304155**
12V distribution unit	DL30	**4301561**
Adaptive wiring harness for DL30	Adaptive wiring	**See online configurator**
Internal temperature cable (L=1.5m) and external temperature cable (L=5m)	CTIE-2	**4300066**
3 m CL-BUS cable for Gateway connection	CP300	**4300458**
ICL12 Gateway	ICL12	**4300456**
GPS antenna for ICL12	ANT/GPS	**4310127**

	DESCRIPTION	MODELLO	PART-NR
Adaptive wiring harnesses to be ordered according to the distribution unit installed in the vehicle	Adaptive wiring harness for DS300/DL30	Adaptive wiring harness for DS300	**4312062**
	Adaptive wiring harness for TU30/DL30	Adaptive wiring harness for TU30	**4312063**
	Adaptive wiring harness for A910-6AF/DL30	Adaptive wiring harness for A910-6AF	**4349951**
	Adaptive wiring harness for A910-6/DL30	Adaptive wiring harness for A910-6	**4349951**



CP107



DL40

DESCRIPTION	MODEL	CODICE
7" colour touch control panel	CP107-RE	**4304155**
12V distribution unit	DL40	**See online configurator**
Adaptive wiring harness for DS470/DL40	Adaptive wiring	**See online configurator**
Internal temperature cable (L=1.5m) and external temperature cable (L=5m)	CTIE-2	**4300066**
3 m CL-BUS cable for Gateway connection	CP300	**4300458**
ICL12 Gateway	ICL12	**4300456**
GPS antenna for ICL12	ANT/GPS	**4310127**

	DESCRIPTION	MODEL	PART-NR
Adaptive wiring harnesses to be ordered according to the distribution unit installed in the vehicle	Adaptive wiring harness for DS470/DL40	Adaptive wiring harness for DS470	**4349390**
	Adaptive wiring harness for DS450/DL40	Adaptive wiring harness for DS450	**4349389**



CP107



NE356

PART-NR	MODEL	DESCRIPTION
4304147	CP107-NE	7" colour touch control panel
4302872	NE356_LIN	12V LIN distribution unit
4304146	Adaptive wiring NE356	Adaptive wiring harness for NE356 + MULTIP socket
4300066	CTIE-2	Internal temperature cable (L=1.5m) and external temperature cable (L=5m)
4300458	CP300	3 m CL-BUS cable for Gateway connection
4300456	ICL12	ICL12 Gateway
4310127	ANT/GPS	GPS antenna for ICL12

COMPONENTS FOR RETROFITTING KITS



ICL12
GATEWAY
PART-NR: 4300456



ANT/GPS
GPS ANTENNA
PART-NR: 4310127



CP300
CONTROL PANEL
WIRING L=3m
PART-NR: 4300458



CTIE-2
CABLE WITH SENSORS FOR INTERNAL AND EXTERNAL TEMPERATURE (L=1,5m and L=5m)
PART-NR: 4300066

OPTIONAL COMPONENTS FOR RETROFITTING KITS



PRM400
400W MPPT solar charge regulator
PART-NR: 4300370



DLS350
DLS350 bus dimmer lighting node, 7 channels
PART-NR: 4301397



AM500
500A shunt for battery state-of-charge monitoring
PART-NR: 4304058



BC222
BC222 series switching battery charger – 22A
PART-NR: 4304180

FIND THE RIGHT ONDA RETROFIT KIT FOR YOUR VEHICLE!

GO TO THE PRODUCT FINDER

DIGITIZE YOUR MOTORHOME

ONDA CONNECTIVITY

The ONDA app is available for download from the App store and the Google Play Store.

DOWNLOAD ON THE App Store

DOWNLOAD ON THE Google Play

Free use for 24 MONTHS if you buy an Onda retrofit kit

CBE

SYSTEM PL50

Complete command and control system for 12V motorhome electrical systems.

Main characteristics and functions:

- Control panel with LCD 5 inches color display
- Test drinking water tank level (percentage and graphic)
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- 11 Protection fuses for 12V utilities
- Control car battery recharging
- Save service battery function
- Digital clock
- Test internal and external temperature
- Software update via USB
- "Twilight" sensor

Control panel dimensions 215 x 114 mm

SYSTEM PC260

Microprocessor controlled digital system with 3,2" GRAPHIC NEGATIVE LCD control panel.

Main functions:

- Test car and service battery B1 and B2 condition (volt and graphic)
- Test drinking water tank level (percentage and graphic)
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- Protection fuses
- Control car battery recharging
- Save service battery function
- Digital clock
- Test internal and external temperature
- "Twilight" sensor

Control panel dimensions 180 x 125 mm

ONDA READY

APP ONDA CONNECTIVITY





THE SYSTEM INCLUDES:	MODEL	CODE
CONTROL PANEL	PL50	**4301204**
12V DISTRIBUTION BOX, PROTECTION FUSES	DL30	**4301561**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
ICL12 GATEWAY	ICL12	**4300456**
GPS ANTENNA FOR ICL12	ANT12	**4310127**
FRESH WATER ELECTRONIC TANK PROBE (indicate the tank height on the purchase order)	SPE/ ...	**430:::**
SCREW PROBES FOR WASTE WATER TANK	SS/P	**4300060**
CABLES KIT FOR TANK PROBES L=6m	CCS310	**4310115**
CABLE FOR CONTROL PANEL L=6m	CP300	**4310123**
CABLE WITH SENSORS FOR INTERNAL AND EXTERNAL TEMPERATURE (L=1,5m and L=5m)	CTIE-2	**4300066**
50A FUSE + FUSE-HOLDER	R450	**4300225**

THE SYSTEM INCLUDES:	MODEL	CODE
CONTROL PANEL	PC260	**4300227**
12V DISTRIBUTION BOX, PROTECTION FUSES	DS300	**4300059**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
FRESH WATER ELECTRONIC TANK PROBE (indicate the tank height on the purchase order)	SPE/ ...	**430:::**
SCREW PROBES FOR WASTE WATER TANK	SS/P	**4300060**
CABLES KIT FOR TANK PROBES L=6m	CCS200	**4300226**
CABLE FOR CONTROL PANEL L=6m	CP973-6	**4300224**
CABLE WITH SENSORS FOR INTERNAL AND EXTERNAL TEMPERATURE (L=1,5m and L=5m)	CTIE-2	**4300066**
50A FUSE + FUSE-HOLDER	R450	**4300225**

SYSTEM PC210

Microprocessor controlled digital system with 2,9" GRAPHIC LCD 12 COLOURS control panel.

Main functions:

- Touch capacitive buttons
- Test car and service battery B1 and B2 condition (volt and graphic)
- Test drinking water tank level (percentage and graphic)
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- Protection fuses
- Control car battery recharging
- Save service battery function
- Test internal and external temperature

Control panel dimensions 170 x 80 mm



THE SYSTEM INCLUDES:	MODEL	CODE
CONTROL PANEL	PC210	**4300056**
12V DISTRIBUTION BOX, PROTECTION FUSES	DS300	**4300059**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
FRESH WATER ELECTRONIC TANK PROBE (indicate the tank height on the purchase order)	SPE/ ...	**430:::**
SCREW PROBES FOR WASTE WATER TANK	SS/P	**4300060**
CABLES KIT FOR TANK PROBES L=6m	CCS200	**4300226**
CABLE FOR CONTROL PANEL L=6m	CP973-6	**4300224**
CABLE WITH SENSORS FOR INTERNAL AND EXTERNAL TEMPERATURE (L=1,5m and L=5m)	CTIE-2	**4300066**
50A FUSE + FUSE-HOLDER	R450	**4300225**

CBE

SYSTEM PL3

Complete command and control system for 12V motorhome electrical systems.

Main characteristics and functions:
- Control panel with LED display
- Graphic indication of vehicle battery and service battery status
- Graphic indication of fresh water tank status
- Grey water tank reserve alarm
- Built-in electronic battery separator
- Trivalent fridge management
- 11 protection fuses for 12V utilities
- Vehicle battery charging
- Minimum voltage control ("battery saver" function)
- "Twilight" function to adjust the brightness of the buttons at night

Dimensions of control panel 175 x 93 mm

SYSTEM PC180

Microprocessor controlled digital system with LED control panel.

Main functions:
- Test car and service battery B1 and B2 condition
- Test drinking water tank level
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- Protection fuses
- Control car battery recharging
- Save service battery function
- "Twilight" sensor

Control panel dimensions 190 x 130 mm

ONDA READY

APP ONDA CONNECTIVITY





SYSTEM CONSISTING OF:	MODEL	CODE
CONTROL PANEL CONTROL PANEL CONFIGURED FOR ICL12	PL3 PL3	**4301194** **4301195**
12V UTILITY DISTRIBUTION PANEL, 11 PROTECTION FUSES	DL30	**4301561**
ICL12 GATEWAY	ICL12	**4300456**
GPS ANTENNA FOR ICL12	ANT12	**4310127**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
FRESH WATER TANK PROBE	FT5/40	**4300429**
SCREW PROBE FOR RECOVERY TANK	SS/P	**4300060**
TANK PROBE WIRING L=6m	CCS300	**4310114**
CONTROL PANEL WIRING L=6m	CP300	**4310123**
FUSE 50A + FUSE HOLDER	R450	**4300225**

SYSTEM CONSISTING OF:	MODEL	CODE
CONTROL PANEL	PC180	**4300055**
12V DISTRIBUTION BOX, PROTECTION FUSES	DS300	**4300059**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
DRINKING WATER TANK PROBE	SP5/40	**4300061**
SCREW PROBES FOR WASTE WATER TANK	SS/P	**4300060**
CABLES KIT FOR TANK PROBES L=6m	CCS910	**4300223**
CABLE FOR CONTROL PANEL L=6m	CP973-6	**4300224**
50A FUSE + FUSE-HOLDER	R450	**4300225**

SYSTEM PC160

Microprocessor controlled digital system with LED control panel.

Main functions:
- Test car and service battery B1 and B2 condition
- Test drinking water tank level
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- Protection fuses
- Car battery charger
- Save service battery function
- Screen brightness adjustment

Control panel dimensions 180 x 125 mm

SYSTEM PC110

Microprocessor controlled digital system with LED control panel.

Main functions:
- Test car and service battery B1 and B2 condition
- Test drinking water tank level
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- Protection fuses
- Control car battery recharging
- Save service battery function

Control panel dimensions 170 x 80 mm





SYSTEM CONSISTING OF:	MODEL	CODE
CONTROL PANEL	PC160	**4301054**
12V DISTRIBUTION BOX, PROTECTION FUSES	DS300	**4300059**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
DRINKING WATER TANK PROBE	SP5/40	**4300061**
SCREW PROBES FOR WASTE WATER TANK	SS/P	**4300060**
CABLES KIT FOR TANK PROBES L=6m	CCS910	**4300223**
CABLE FOR CONTROL PANEL L=6m	CP973-6	**4300224**
50A FUSE + FUSE-HOLDER	R450	**4300225**

SYSTEM CONSISTING OF:	MODEL	CODE
CONTROL PANEL	PC110	**4300222**
12V DISTRIBUTION BOX, PROTECTION FUSES	DS300	**4300059**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
DRINKING WATER TANK PROBE	SP5/40	**4300061**
SCREW PROBES FOR WASTE WATER TANK	SS/P	**4300060**
CABLES KIT FOR TANK PROBES L=6m	CCS910	**4300223**
CABLE FOR CONTROL PANEL L=6m	CP973-6	**4300224**
50A FUSE + FUSE-HOLDER	R450	**4300225**

CBE

PARTS INCLUDED IN THE PC210 - PC220 - PC260 - PC380 - PL50 - PC110 - PC160 – PC180 - PL3 COMPLETE SYSTEMS



DL30
12V UTILITY DISTRIBUTION PANEL, 11 PROTECTION FUSES



CCS300 / CCS310
TANK PROBE WIRING L=6m



CP300
CONTROL PANEL WIRING L=6M



DS300
12V DISTRIBUTION BOX, PROTECTION FUSES



CP973-6
CABLE FOR CONTROL PANEL L=6m



CCS200
CABLES KIT FOR TANK PROBES L=6m



CCS910
CABLES KIT FOR TANK PROBES L=6m



SPE / ...
FRESH WATER ELECTRONIC TANK PROBE



SP5
DRINKING WATER TANK PROBE



SP5/40
DRINKING WATER TANK PROBE



FT5/40
DRINKING WATER TANK PROBE WITH RODS



SS/P
SCREW PROBES FOR WASTE WATER TANK

CBE



BC222
12V 22A SWITCHING BATTERY CHARGER



CTIE-2
CABLE WITH SENSORS FOR INTERNAL AND EXTERNAL TEMPERATURE (L=1,5m and L=5m)



R450
50A FUSE + FUSE-HOLDER



ICL12
GATEWAY



ANT/GPS
GPS ANTENNA

WIRING CONNECTION SYSTEM ACCESSORIES

CL BUS

CODE	MODEL	LENGTH
4310124	CP301	1 mt
4310125	CP302	1,5 mt
4300458	CP303	3 mt
4310126	CP304	9 mt

Provided by NORDELETTRONICA

SYSTEM NE273

Microprocessor-controlled digital system with 7" GRAPHIC COLOURS control panel.

Main functions:
- 7" graphic colours full touch control panel
- Test car and service battery B1 and B2 condition (volt and graphic)
- Test drinking water tank level (percentage and graphic)
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- Protection fuses
- Control car battery recharging
- Save service battery function
- Digital clock
- Test internal and external temperature
- Regulation of screen luminosity

Control panel dimensions 195 x 129



NE273
CONTROL PANEL

THE SYSTEM INCLUDES:	MODEL	PART-NR
CONTROL PANEL	NE273	**4300290**
12V DISTRIBUTION BOX, PROTECTION 13 FUSES	NE356	**4300436**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
DRINKING WATER TANK PROBE S1-S2	SST/75	**4300285**
WASTE WATER TANK PROBE R1-R2	SSR	**4302689**
CABLE KIT FOR TANK PROBES S1=6MT R1=6MT	CCS700	**4310600**
CABLE FOR CONTROL PANEL L=8m	CP700	**4310260**
CABLE FOR EXTERNAL TEMPERATURE L=4m	CTE	**4349376**

SYSTEM NE333

Microprocessor-controlled digital system with 3 digit visualization led control panel.

Main functions:
- LED Control Panel with 3 digit visualization
- Test car and service battery B1 and B2 condition (volt and graphic)
- Test drinking water tank level (percentage and graphic)
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- Protection fuses
- Control car battery recharging
- Save service battery function
- Digital clock
- Test internal temperature

Control panel dimensions 114 x 84 mm



NE333
CONTROL PANEL

THE SYSTEM INCLUDES:	MODEL	PART-NR
CONTROL PANEL	NE333	**4300288**
12V DISTRIBUTION BOX, PROTECTION 13 FUSES	NE356	**4300436**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
DRINKING WATER TANK PROBE S1-S2	SST/75	**4300285**
WASTE WATER TANK PROBE R1-R2	SSR	**4302689**
CABLE KIT FOR TANK PROBES S1=6MT R1=6MT	CCS700	**4310600**
CABLE FOR CONTROL PANEL L=8m	CP700	**4310260**

Provided by NORDELETTRONICA

SYSTEM NE334

Microprocessor control digital system with 3 digit visualization led control panel.

Main functions:
- LED Control Panel with 3 digit visualization
- Test car and service battery B1 and B2 condition (volt and graphic)
- Test drinking water tank level (percentage and graphic)
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- Protection fuses
- Control car battery recharging
- Save service battery function
- Digital clock
- Test internal and external temperature

Control panel dimensions 170 x 103 mm



NE334
CONTROL PANEL

THE SYSTEM INCLUDES:	MODEL	PART-NR
CONTROL PANEL	NE334	**4300289**
12V DISTRIBUTION BOX, PROTECTION 13 FUSES	NE356	**4300436**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
DRINKING WATER TANK PROBE S1-S2	SST/75	**4300285**
WASTE WATER TANK PROBE R1-R2	SSR	**4302689**
CABLE KIT FOR TANK PROBES S1=6MT R1=6MT	CCS700	**4310600**
CABLE FOR CONTROL PANEL L=8m	CP700	**4310260**
CABLE FOR EXTERNAL TEMPERATURE L=4m	CTE	**4349376**

SYSTEM NE362

Microprocessor controlled digital system with 4,3" graphic LCD glass control panel.

Main functions:
- 4,3" graphic LCD glass control panel
- Test car and service battery B1 and B2 condition (volt and graphic)
- Test drinking water tank level (percentage and graphic)
- Waste water tank alarm
- Electronic battery separator
- Control 3-way fridge
- Protection fuses
- Control car battery recharging
- Save service battery function
- Digital clock
- Test internal and external temperature

Control panel dimensions 195 x 129 mm



NE362
CONTROL PANEL

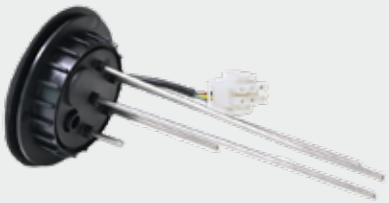
THE SYSTEM INCLUDES:	MODEL	PART-NR
CONTROL PANEL	NE362	**4302822**
INTERFACE ICL12	ICL12	**4300456**
12V DISTRIBUTION BOX, PROTECTION 13 FUSES	NE356	**4302821**
12V 22A SWITCHING BATTERY CHARGER	BC222	**4304180**
DRINKING WATER TANK PROBE S1-S2	SST/75	**4300285**
WASTE WATER TANK PROBE R1-R2	SSR	**4302689**
CABLE KIT FOR TANK PROBES S1=6MT R1=6MT	CCS700	**4310600**
CABLE FOR EXTERNAL TEMPERATURE L=4m	CTE	**4349376**
CABL.COLL. CL-BUS L=8mt MINIFIT—JST	CTE	**4313643**
CABL.COLL. CL-BUS L=1,5mt MINIFIT--JST	CTE	**4313644**

Provided by NORDELETTRONICA

PARTS INCLUDED IN THE NE273 – NE 333 – NE 334 COMPLETE SYSTEMS



NE356
12V DISTRIBUTION BOX, PROTECTION 13 FUSES



SST/75
DRINKING WATER TANK PROBE S1-S2



SSR
WASTE WATER TANK PROBE
R1-R2



CCS700
CABLE KIT FOR TANK PROBES
S1=6MT R1=6MT



CP700
CABLE FOR CONTROL
PANEL L=8m

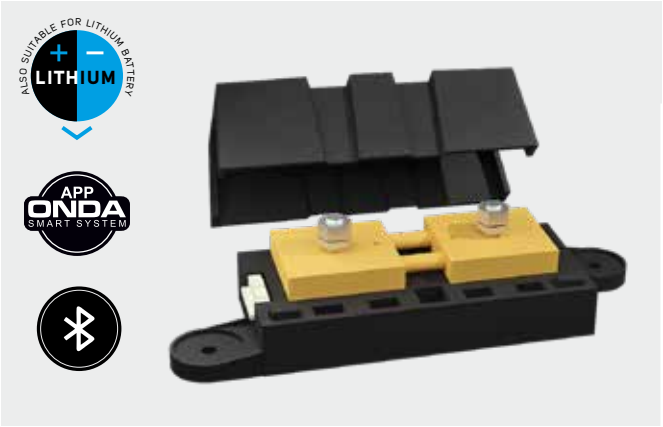


CTE
CABLE FOR EXTERNAL TEMPERATURE L=4m



BC222
12V 22A SWITCHING BATTERY CHARGER

CBE



AM500 4300440

SHUNT for measuring electric current up to 500A.
Allows precise calculation of instantaneous consumption, state of charge (SoC), state of health (SoH), and remaining autonomy expressed in hours.

Powered at 12V DIM. 130 x 44 x 57 mm



PT754 4300425

OPTIONAL:
DIGITAL TOUCH TEST PANEL with OLED display showing the data provided by the AM500 shunt.

12V power supply. DIM 60 x 60 mm

APP - ONDA SMART SYSTEM

The mobile application "ONDA SMART SYSTEM" has been specifically developed to manage and extend the functionalities of the AM500. The connection between the AM500 and mobile devices is established via Bluetooth, with an effective range limited to the vicinity of the vehicle.

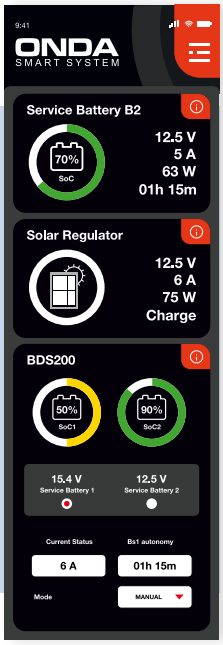
The "ONDA SMART SYSTEM" App allows you to:

- View the current and power being generated (positive sign "+") or consumed (negative sign "-") by the system
- View the voltage, State of Charge (SoC), and State of Health (SoH) of the service battery B2
- View the remaining range of the service battery B2
- Access the AM500 user manual
- Update the firmware of the AM500

The ONDA Smart System range, including BDS200, PRM400, and AM Shunts, can be downloaded from the App store and Google Play Store.

DOWNLOAD ON THE App Store

DOWNLOAD ON THE Google Play





PT738 / GR 4300413

12V TOUCH TEST PANEL with OLED display to test the external and internal temperature.
The kit includes sensor for external temperature L=3m, sensor for internal temperature L=1,5m, "BMAC1C" frame and a wall-fixing spacer.
This panel fits also the "Modular Plates" range.
12V Power supply. Dimensions: 60 x 60mm



PT722 / GR 4300180

12V TOUCH TEST PANEL with OLED display to test 2 water tanks' level in percentage.
The kit includes 2 cables L=4m, "BMAC1C" frame and a wall-fixing spacer.
This panel fits also the "Modular Plates" range.
NB: electronic tank probe mod. "SPE" must be ordered separately.
12V Power supply. Dimensions: 60 x 60mm



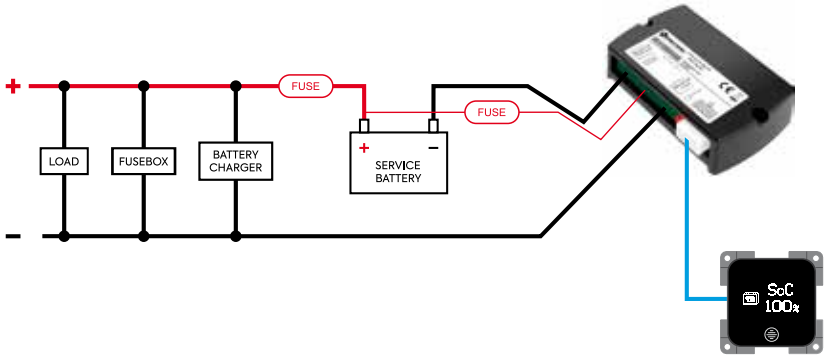
PT732 / GR 4300181

12V TOUCH TEST PANEL with OLED display to test two 12V batteries' voltage.
The kit includes "BMAC1C" frame and a wall-fixing spacer.
This panel fits also the "Modular Plates" range.
12V Power supply. Dimensions: 60 x 60mm



PT750 / NE363 4300299

DIGITAL TOUCH TEST PANEL with OLED display showing the charge status (%) of lithium and conventional batteries.
Displays State of Charge (SoC), battery voltage and current -150A + 150A.
With minimum brightness adjustment.
Complete with shunt and cable L =5m.
Built-in or wall-mounted version with supplied spacer;
complete with Berker "BMAC1C" frame including the possibility for combination with "Modular Plates" and "Modular Plates Berker" series.
12V power supply. DIM 60 x 60 mm



COLOURS
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)

CBE



MTB / G 4300001
MTB / M 4300298

12V LED BATTERY VOLTAGE TEST PANEL
The kit includes "BMAC1C" frame and "MAD" spacer. This panel fits also the "Modular Plates" range.
Dimensions: 60 x 60 mm.



MT214 / G 4300106
MT214 / M 4300459

12V LED TEST PANEL for one drinking water tank and one waste water tank. This panel fits also the "Modular Plates" range.
The kit includes 2 cables L=4m, tank probe "SP5/40", waste water tank screws "SS/P" and "BMAC1C" frame.
Dimensions: 60 x 60 mm.



MTT / G 4300105
MTT / M 4302149

12V LED TEST PANEL for one drinking water tank. This panel fits also the "Modular Plates" range.
The kit includes
1 cable L=4m, tank probe "SP5/40", "BMAC1C" frame and "MAD" spacer.

MTT / G - R 4303634

12V LED panel replacement, complete with wiring, without probe.
Dimensions: 60 x 60 mm.



MTTR / G 4300104
MTTR / M 4302150

12V LED TEST PANEL for one waste water tank.
This panel fits also the "Modular Plates" range.
The kit includes
1 cable L=4m, tank probe "SP5/40", "BMAC1C" frame and "MAD" spacer.
Dimensions: 60 x 60 mm.

COLOUR:
... / GR (anthracite grey RAL 7021)





BMTG / GR 4300041
BMTG / MA 4300042

12V LPG AND SOPORIFIC GAS DETECTOR

The acoustic alarm detects the gas concentration in time to prevent poisoning accidents and before one tenth of the minimum level to cause an explosion is reached. The sensor can be set in accordance with the use and the installation position. The detector is tested and calibrated using LPG and soporific gas.

Average sensor life is about 10 years.

Built-in fixing or wall-fixing with spacer.

The kit includes a "BMAC2" frame.

This panel fits also the "BERKER INTEGRO" range.

12V Power supply.
Dimensions: 119 x 60 mm
Sensor consumption: 75mA
Acoustic power (beeper): 85 dB max at 1 meter distance

BMTCO / GR 4300039
BMTCO / MA 4300040

12V CARBON MONOXIDE DETECTOR

The acoustic alarm detects the gas concentration in time to prevent poisoning accidents. Carbon monoxide is a toxic gas produced by incomplete fossil fuel combustion or when combustion takes place in a room where oxygen concentration is very low. The detector is tested and calibrated using carbon monoxide.

Average sensor life is about 10 years.

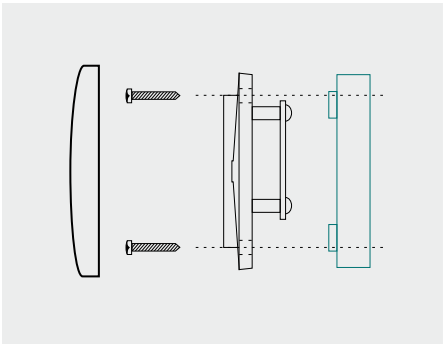
Built-in fixing or wall-fixing with spacer.

The kit includes a "BMAC2" frame.

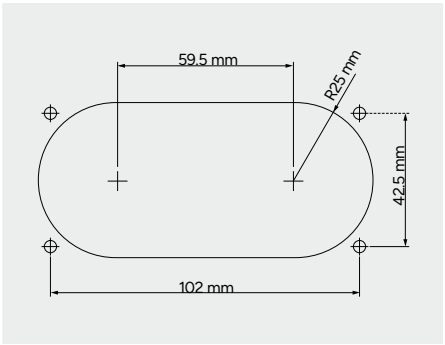
This panel fits also the "BERKER INTEGRO" range.

12V Power supply.
Dimensions: 119 x 60 mm
Sensor consumption: 15mA
Acoustic power (beeper): 85 dB max at 1 meter distance

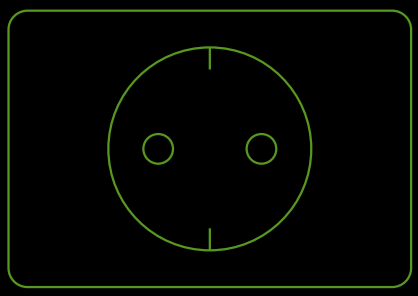
INSTALLATION



Wall mounting with spacer

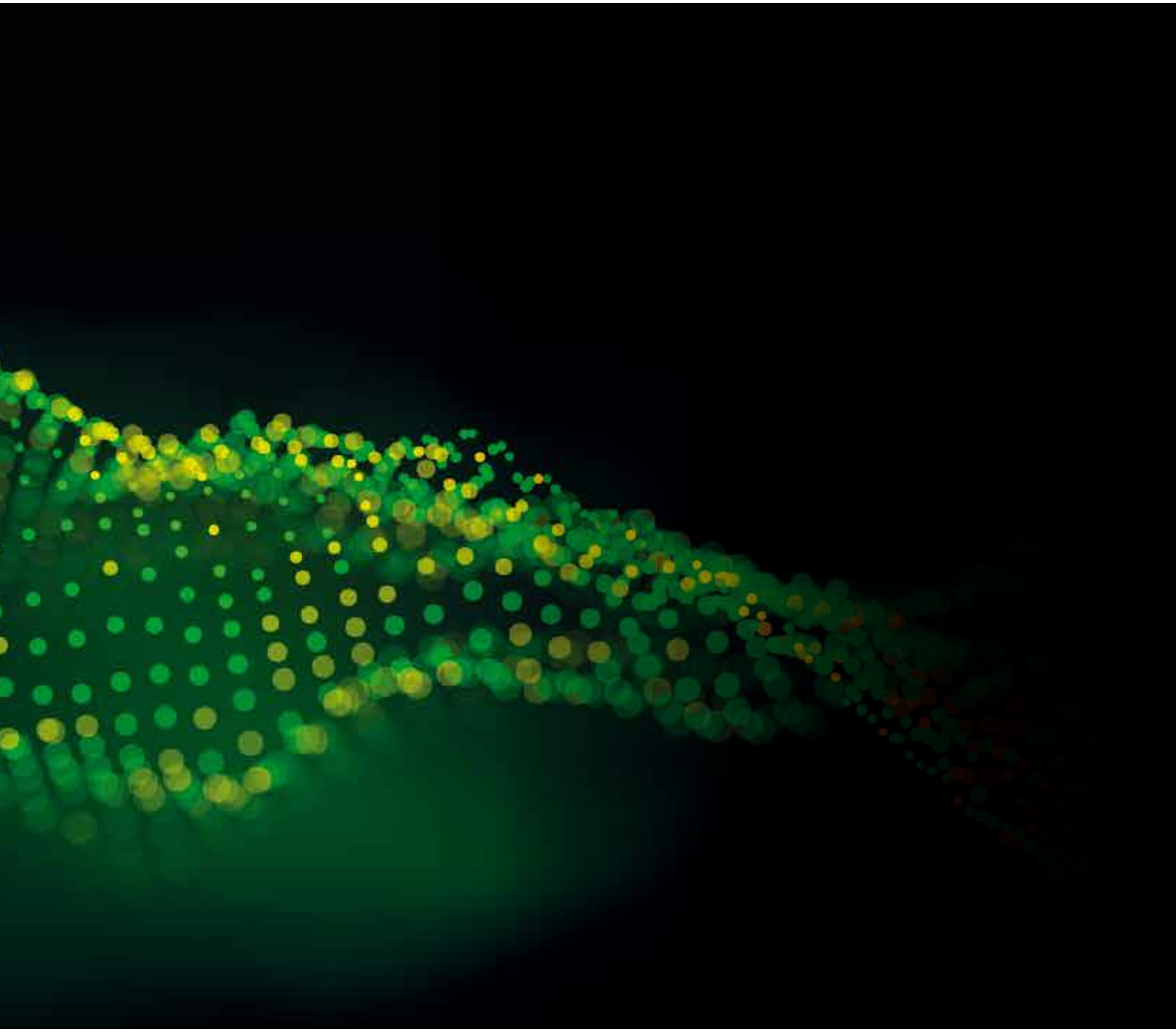


Recessed mounting



MODULAR PLATES

SWITCHES | SOCKETS | ACCESSORIES | FRAMES



CBE



MCN / ...
SWITCH

COLOUR	BLISTER	BOX *
... / G	4300312	4300188
... / M	4300206	4301987
... / B	4301689	4301982
... / GC	-	4301985



MC12P / ...
12V SWITCH + LED

COLOUR	BLISTER	BOX *
... / G	4300092	4300372
... / M	4301684	4301992
... / B	-	4301989
... / GC	-	4301990



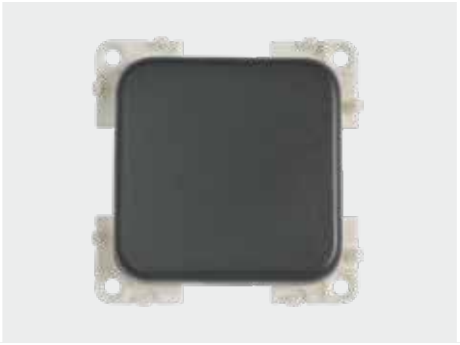
MC12N / ...
12V SWITCH + LED

COLOUR	BLISTER	BOX *
... / G	4300314	4300085
... / M	4301730	4302234
... / B	-	-
... / GC	-	4302233



MC2N / ...
DOUBLE SWITCH

COLOUR	BLISTER	BOX *
... / G	4300090	4300189
... / M	4301692	4301999
... / B	4301693	4301996
... / GC	-	4301998



MCD / ...
TWO-WAY SWITCH

COLOUR	BLISTER	BOX *
... / G	4300318	4300082
... / M	4301690	4302003
... / B	4301691	4302001
... / GC	-	4302002



MCD1N / ...
TWO-WAY SWITCH

COLOUR	BLISTER	BOX *
... / G	4300077	4300393
... / M	4300205	4302237
... / B	-	-
... / GC	-	-

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10



MCD2N / ...
DOUBLE TWO-WAY SWITCH

COLOUR	BLISTER	BOX *
... / G	**4300078**	**4300394**
... / M	**4300207**	**4302243**
... / B	-	**4302241**
... / GC	-	**4302242**



MCPL / ...
PUMP SWITCH + LIGHT SWITCH

COLOUR	BLISTER	BOX *
... / G	**4301687**	**4300084**
... / M	-	-
... / B	-	-
... / GC	-	-



MCP / ...
PUSH-BUTTON

COLOUR	BLISTER	BOX *
... / G	**4301726**	**4300080**
... / M	**4301727**	**4302008**
... / B	-	**4302004**
... / GC	-	**4302006**



MCGU / ...
3 POSITION STEP PUSH-BUTTON

COLOUR	BLISTER	BOX *
... / G	**4300293**	**4300294**
... / M	-	-
... / B	-	-
... / GC	-	-



MCG5 / ...
3 POSITION STEP PUSH-BUTTON

COLOUR	BLISTER	BOX *
... / G	**4300292**	**4300112**
... / M	**4300208**	**4302058**
... / B	-	**4302056**
... / GC	-	**4302057**



MCGD5 / ...
STEP PUSH-BUTTON +
12/24V LIGHT TWO-WAY SWITCH

COLOUR	BLISTER	BOX *
... / G	**4300313**	**4300190**
... / M	**4301675**	**4302249**
... / B	-	-
... / GC	-	-

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10

CBE



MP12 / ...
STANDARD 12V SOCKET

COLOUR	BLISTER	BOX *
... / G	**4301664**	**4300270**
... / M	**4301665**	**4302063**
... / B	**4301663**	**4302061**
... / GC	-	-



MP12TV / ...
STANDARD 12V SOCKET + TV

COLOUR	BLISTER	BOX *
... / G	**4301667**	**4300269**
... / M	**4301668**	**4302071**
... / B	-	**4302067**
... / GC	-	**4302069**



MP12TVS / ...
STANDARD 12V SOCKET + TV + SAT

COLOUR	BLISTER	BOX *
... / G	**4301669**	**4300113**
... / M	**4301670**	**4302076**
... / B	-	**4302073**
... / GC	-	**4302075**



MP12A / ...
12V LIGHTER TYPE SOCKET

COLOUR	BLISTER	BOX *
... / G	**4301649**	**4300083**
... / M	**4300209**	**4302011**
... / B	**4301650**	**4302009**
... / GC	-	**4302010**



MP12AC / ...
12V LIGHTER TYPE SOCKET + COVER

COLOUR	BLISTER	BOX *
... / G	**4300087**	**4300088**
... / M	**4301703**	**4302015**
... / B	**4301704**	**4302013**
... / GC	-	**4302014**



MP12ACS / ...
12V WATERTIGHT LIGHTER TYPE SOCKET

COLOUR	BLISTER	BOX *
... / G	**4301705**	**4300186**
... / M	**4301706**	**4302024**
... / B	-	-
... / GC	-	-

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10



MP12ATV / ...

12V LIGHTER TYPE SOCKET + TV

COLOUR	BLISTER	BOX *
... / G	**4301676**	**4300373**
... / M	**4301677**	**4302029**
... / B	-	**4302026**
... / GC	-	**4302028**



MP12ATVS / ...

12V LIGHTER TYPE SOCKET + TV + SAT

COLOUR	BLISTER	BOX *
... / G	**4301678**	**4300145**
... / M	**4301679**	**4302040**
... / B	-	**4302037**
... / GC	-	**4302038**



MPTVS / ...

TV SOCKET + SAT

COLOUR	BLISTER	BOX *
... / G	**4301682**	**4300376**
... / M	**4301683**	**4302104**
... / B	-	**4302102**
... / GC	-	**4302103**



MPUSB / ...

5V/3A USB-A CHARGING SOCKET (12V INPUT)

COLOUR	BLISTER	BOX *
... / G	**4300100**	
... / M	**4300210**	**4302159**
... / B	-	-
... / GC	-	-



MP2USB / ...

5V/1A + 5V/2,1A DOUBLE USB-A CHARGING SOCKET (12V INPUT)

COLOUR	BLISTER	BOX *
... / G	**4300098**	**4300099**
... / M	**4300211**	**4302160**
... / B	-	-
... / GC	-	-



MP2USBC / ...

5V/3A USB-A + 5V/3A USB-C DOUBLE CHARGING SOCKET (INPUT 12V)

COLOUR	BLISTER	BOX *
... / G	**4301715**	**4300182**
... / M	**4300212**	**4302161**
... / B	-	-
... / GC	-	-

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10

CBE



MPTV / ...
TV SOCKET

COLOUR	BLISTER	BOX *
... / G	4301680	4300375
... / M	4301681	4302098
... / B	-	4302094
... / GC	-	4302096



MP22D / ...
230V SCHUKO SOCKET WITH COVER AND BACK PROTECTION BOX

COLOUR	BLISTER	BOX *
... / G	4300093	4300297
... / M	4301694	4302085
... / B	4301695	4302083
... / GC	-	4302084



MP22I / ...
230V ITALIAN SOCKET WITH COVER AND BACK PROTECTION BOX

COLOUR	BLISTER	BOX *
... / G	4301685	4302091
... / M	4301686	4302093
... / B	-	4302090
... / GC	-	4302092



MP22B / ...
230V BRITISH STANDARD SOCKET WITH BACK PROTECTION BOX

COLOUR	BLISTER	BOX *
... / G	-	4300213
... / M	-	4302079
... / B	-	-
... / GC	-	-



MCR / ...
12V ELECTRONIC DIMMER FOR LIGHTS AND FANS (MAX 3A)

COLOUR	BLISTER	BOX *
... / G	4301659	4300102
... / M	4300214	4302133
... / B	-	4302131
... / GC	-	4302132



MPF4 / ...
4 FUSES MODULE

COLOUR	BLISTER	BOX *
... / G	4300215	4300378
... / M	-	-
... / B	-	-
... / GC	-	-

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10



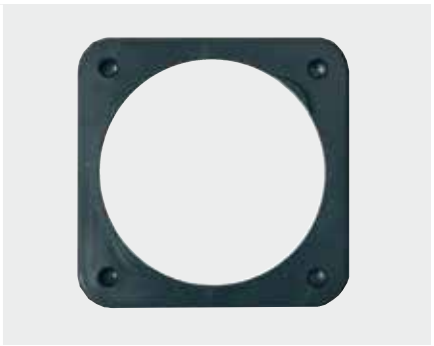
MCB / ...
STEP BUZZER MODULE

COLOUR	BLISTER	BOX *
... / G	**4301658**	**4302134**
... / M	-	-
... / B	-	-
... / GC	-	-



MP / ...
BLIND PLATE

COLOUR	BLISTER	BOX *
... / G	**4301606**	**4300073**
... / M	**4301607**	**4302260**
... / B	-	-
... / GC	-	-



MAD / ...
SPACER FOR WALL-FIXING
60 x 60 x 10mm

COLOUR	BLISTER	BOX *
... / G	**4301603**	**4302155**
... / M	**4301604**	**4302157**
... / B	**4301605**	**4302154**
... / GC	-	**4302156**



MAP / ...
COVER

COLOUR	BLISTER	BOX *
... / G	**4300271**	-
... / M	**4301595**	-
... / B	**4301596**	-
... / GC	-	-

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10

CBE



MAS 45 4301599
BACK PROTECTION BOX
Ø45 L=48mm



MAS 50 4301600
BACK PROTECTION BOX
Ø50 L=34mm

MAS 50R 4301598
BACK PROTECTION BOX
Ø45 L=22mm

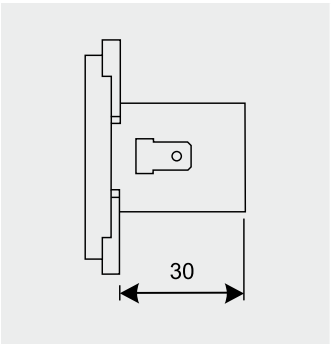


MCAP5 4301589
TV CONNECTOR Ø0,5 (10 pcs)

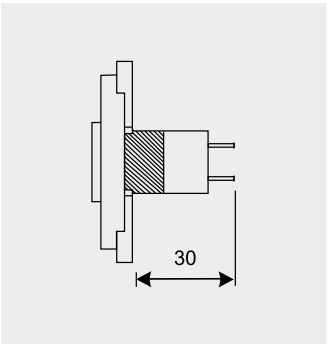
MCAP6 4301590
TV CONNECTOR Ø0,6 (10 pcs)

MCAP7 4301591
TV CONNECTOR Ø0,7 (10 pcs)

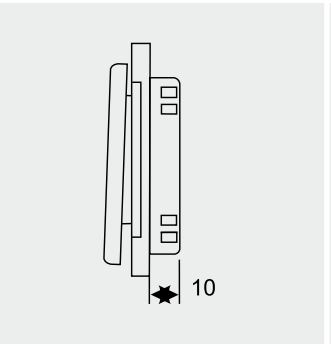
DIMENSIONS (mm)



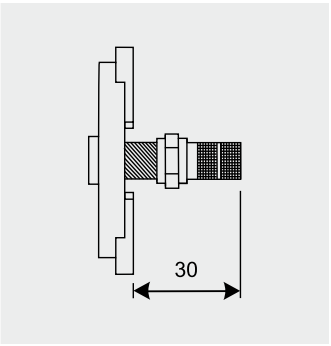
MP12A / MP12ATV



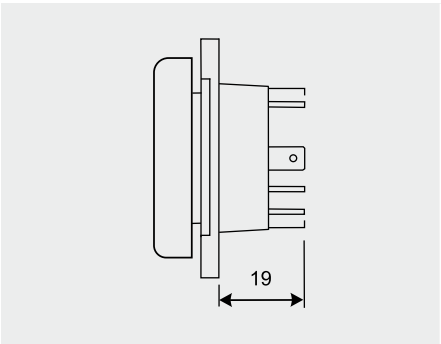
MP12 / MP12TV



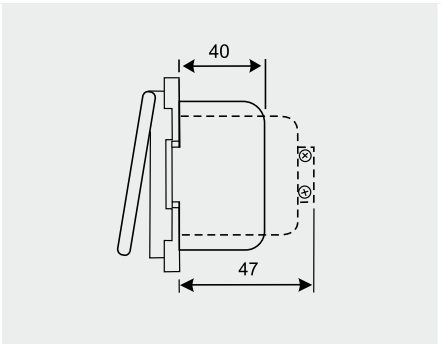
MCN / MC12P / MCR



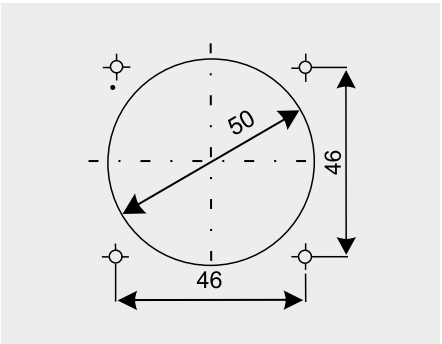
MPTV



MCG / MC12



MP22I



COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10



MAC1P / ...

1 MODULE FRAME
60 x 60mm

COLOUR	BLISTER	BOX *
... / G	**4300320**	**4300070**
... / M	**4300216**	**4302167**
... / B	**4301597**	**4302165**
... / GC	**-**	**4302166**



MAC2P / ...

2 MODULE FRAME
113 x 60mm

COLOUR	BLISTER	BOX *
... / G	**4300321**	**4300074**
... / M	**4300217**	**4302172**
... / B	**4301602**	**4302170**
... / GC	**-**	**4302171**



MAC1PS / ...

1 MODULE FRAME "SOFTLINE"
64 x 60mm

COLOUR	BLISTER	BOX *
... / G	**4300323**	**4300072**
... / M	**4301584**	**4302169**



MAC2PS / ...

2 MODULE FRAME "SOFTLINE"
116 x 60mm

COLOUR	BLISTER	BOX *
... / G	**4300324**	**4300325**
... / M	**4301586**	**4302174**

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10

CBE



MAC1 / ...

1 MODULE CBE FRAME
86 x 78 mm

COLOUR	BLISTER	BOX *
... / G	**4301731**	**4300175**
... / M	**4301732**	**4301962**
... / B	-	**4301960**
... / GC	-	**4301961**



MAC2 / ...

2 MODULE CBE FRAME
139 x 78 mm

COLOUR	BLISTER	BOX *
... / G	**4301735**	**4300176**
... / B	-	**4301964**
... / GC	-	**4301965**



MAT1NL / ...

1 MODULE SUPPORT FRAME

COLOUR	BLISTER	BOX *
... / G	**4300315**	**4300067**
... / M	**4301767**	**4302180**



MAC1NL / ...

1 MODULE FRAME
86 x 78 mm
Requires support frame MAT1NL

COLOUR	BLISTER	BOX *
... / G	**4301768**	**4300069**
... / M	**4301769**	**4302184**



MAC1FL / ...

1 FLAT MODULE FRAME
86 x 78mm
Requires support frame MAT1NL

COLOUR	BLISTER	BOX *
... / G	**4301778**	**4303651**
... / M	**4301779**	**4303652**

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10



MAT2NL / ...

2 MODULE SUPPORT FRAME

COLOUR	BLISTER	BOX *
... / G	**4300316**	BOX *
... / M	**4300218**	**4302192**



MAC2NL / ...

2 MODULE FRAME
139 x 78 mm
Requires support frame MAT2NL

COLOUR	BLISTER	BOX *
... / G	**4301772**	**4300071**
... / M	**4300219**	**4302196**



MAC2FL / ...

2 FLAT MODULE FRAMES
139 x 78mm
Requires support frame MAT2NL

COLOUR	BLISTER	BOX *
... / G	**4301780**	**4303655**
... / M	**4301781**	**4303656**



MAT3NL / ...

3 MODULE SUPPORT FRAME

COLOUR	BLISTER	BOX *
... / G	**4300317**	**4300075**
... / M	**4300220**	**4302206**



MAC3NL / ...

3 MODULE FRAME
192 x 78 mm
Requires support frame MAT3NL

COLOUR	BLISTER	BOX *
... / G	**4301775**	**4300076**
... / M	**4300221**	**4302209**



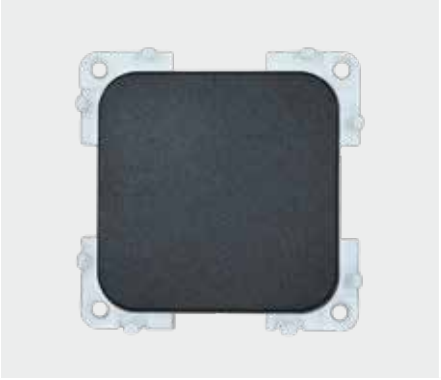
MAC3FL / ...

3 FLAT MODULE FRAMES
192 x 78mm
Requires support frame MAT3NL

COLOUR	BLISTER	BOX *
... / G	**4301782**	**4303660**
... / M	**4301783**	**4303662**

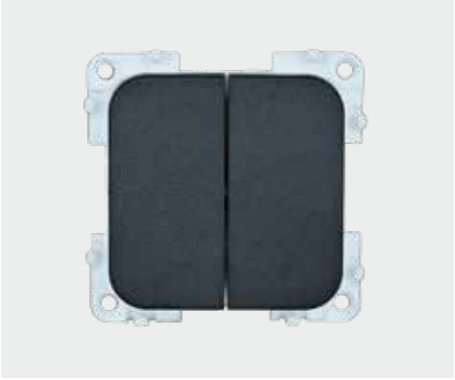
COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10

CBE



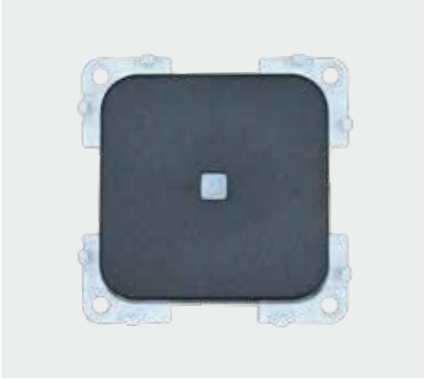
MCN3 / ...
SWITCH

COLOUR	BLISTER	BOX *
... / N	**4301576**	**4302223**



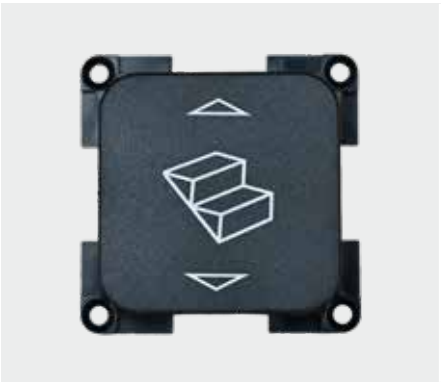
MC2N3 / ...
DOUBLE SWITCH

COLOUR	BLISTER	BOX *
... / N	**4301577**	**4302224**



MC12P3 / ...
12V SWITCH + LED

COLOUR	BLISTER	BOX *
... / N	**4301578**	**4302225**



MCG53 / ...
3 POSITION STEP PUSH-BUTTON

COLOUR	BLISTER	BOX *
... / N	**4301575**	**4302222**



MP12A3 / ...
12V LIGHTER TYPE SOCKET + COVER

COLOUR	BLISTER	BOX *
... / N	**4301572**	**4302219**



MP2USBC3 / ...
DUAL USB-A (3A) + USB-C (3A)
SOCKET, INPUT SUPPLY VOLTAGE: 12V.

COLOUR	BLISTER	BOX *
... / N	**4301716**	**4302162**

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10



MP22D3 / ...

230V SCHUKO SOCKET WITH COVER AND BACK PROTECTION BOX

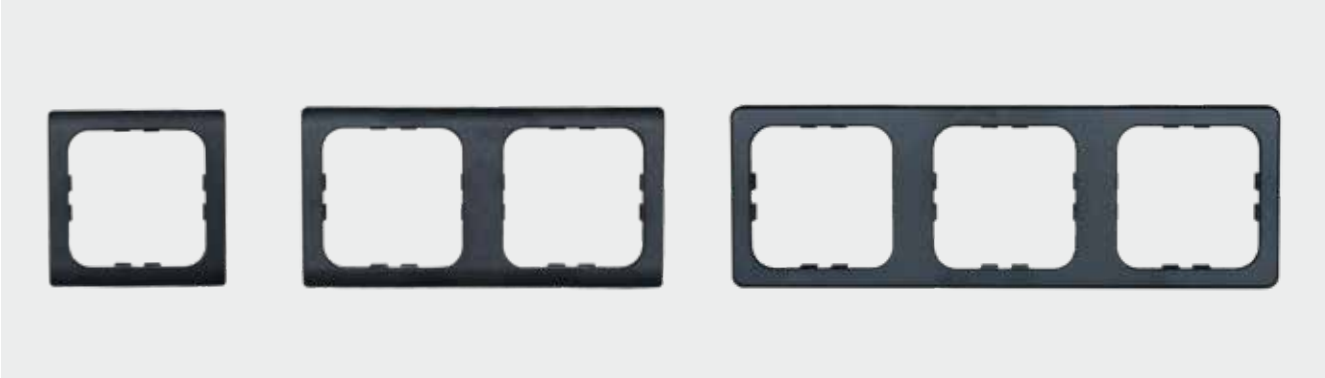
COLOUR	BLISTER	BOX *
... / N	**4301573**	**4302220**



MP22B3 / ...

230V BRITISH STANDARD SOCKET WITH BACK PROTECTION BOX

COLOUR	BLISTER	BOX *
... / N	**4301574**	**4302221**



MODEL	DESCRIPTION	COLOUR	SIZE	BLISTER	BOX *
MAC1P3/...	**1 MODULE FRAME**	**.../N**	**60 x 60 mm**	**4301581**	**4302175**
MAC2P3/...	**2 MODULE FRAME**	**.../N**	**119,5 x 60 mm**	**4301582**	**4302176**
MAC3P3/...	**3 MODULE FRAME**	**.../N**	**179 x 60 mm**	**4301583**	**4302177**

COLOURS:
... / G (Grey RAL 7015)
... / M (Brown RAL 8016)
... / B (White RAL 9010)
... / GC (Light Grey RAL 7035)
* Minimum order 10 pieces or multiples of 10



ENERGY LINE

BATTERY CHARGERS | DIMMER | CBE ACCESSORIES 12V

BATTERY DUO SYSTEM | PROCAR ACCESSORIES 12V


ACCESSORIES 230V | REFRIGERATORS FANS | INVERTER

CBE

SERIE BC222 SWITCHING BATTERY CHARGER

The BC222 switching is a high-efficiency battery charger (without cooling fan) for lead, gel, lithium and AGM batteries.

The batteries must have a rated voltage of 12V and a capacity suitable for the battery charger current (check the compatibility of the maximum charging current with the technical data sheet of the battery to be connected for use). The BC222 also works as a power supply unit.

If the battery is present and it is powered via mains, the BC222 works as a battery charger (if the algorithm for lithium batteries has been selected, the BC222 works as a battery charger even if it does not detect the battery when switched on)

Using the dip-switch, it is possible to choose the charging algorithm according to the battery type. When switched on, the green LED flashes, indicating which charging algorithm has been selected via the dip-switch.

The battery charger uses a combination of Constant Current and Constant Voltage charging; this allows for the charging time to be significantly reduced and it also prevents damage to the batteries even if the charger is permanently connected to the 230V mains.

When a load is inserted, the charger immediately provides the necessary current, preventing the battery from discharging (this is true if the load current is less than the maximum current that can be delivered by the battery charger, otherwise the battery still discharges with a current equal to the difference: (ILOAD - IBATTERY CHARGER).

It is possible to connect a temperature probe to the battery charger (to be placed on the battery) to adapt the charging algorithm to the battery temperature.



BC222

MODEL	BC222
CODE	**4304180**
TECHNICAL DATA	
RATED VOLTAGE	230Vac± 10%
FREQUENCY	50Hz÷60 Hz
MAXIMUM POWER	320W
PROTECTION FUSE	4A
OUTPUT TECHNICAL DATA	
MAXIMUM CURRENT	22A continuous
SHORT-CIRCUIT PROTECTION	YES
OVERLOAD PROTECTION	YES
OUTPUT OVERVOLTAGE PROTECTION	YES
OVERTEMPERATURE PROTECTION	YES
BATTERY OVERTEMPERATURE PROTECTION	Yes (with NTC sensor)
THERMAL PROTECTION	YES
BATTERY TYPE SELECTOR	Dip-switch
CHARGING LINE	IUoU - AGM / GEL / Pb / LiFePO4
NUMBER OF CHARGING LINES	8
NETWORK PRESENCE SIGNAL (S)	12V (MAX 150mA)
GENERAL TECHNICAL DATA	
EFFICIENCY	93 %
AMBIENT TEMPERATURE	- 20 ÷ 40° C
INTERNAL FAN	Absent
PROTECTION RATING	IP 20
MAINS CONNECTION	3 poles IEC EN60320 C14
BATTERY CONNECTION	“M6” screw
DIMENSIONS (mm)	146x183x65mm
WEIGHT	<0,8kg

Provided by NORDELETTRONICA

NE325 DC-DC POWER CONVERTER

The DC/DC converter NE325 is suitable for recharging the service battery with the alternator.

The alternators of Euro 6 engines often provide a charge voltage that is too low and therefore a DC/DC converter is required to charge the service battery while the vehicle is running. In the case of lithium batteries, which have very low internal resistance, the DC/DC is instead necessary to limit the charging current of the alternator and therefore to protect the system from overheating or damage. The DC/DC converter works only when the vehicle is running and this is achieved by the enabling input (Enable DC/DC) connected to the vehicle ignition.

Operation

Power supply mode:

The NE325 operates as a power supply unit if the output is not connected to the battery when it is turned on. In this mode the green LED flashes and the output voltage is fixed at 13.8V.

Battery charger mode:

The NE325 operates as a battery charger if the output is connected to the battery when it is turned on (if the algorithm for lithium batteries has been selected, the DC/DC operates as a battery charger even if it does not detect the battery when it is turned on).

Use the dip switches to choose the charging algorithm according to the type of battery. at switch on, the green LED flashes to indicate which algorithm is selected via dip switches.

The DC/DC uses a combination of Constant Current and Constant Voltage. This makes it possible to significantly reduce charging time and prevents permanent damage to the batteries.

When a load is activated, the DC/DC immediately provides the necessary current, so that the battery does not discharge (this is true if the load current is lower than the maximum current available from the battery charger, otherwise the battery will discharge in any case with current equal to the difference (ILOAD - IDC/DC). It is possible to connect a temperature probe to the DC/DC (to be placed on the battery), to adapt the charging algorithm selected to the temperature of the battery.



DC/DC CONVERTER

NE325-25A
NE325-40A

MODEL	NE325-25A	NE325-40A
PART-NR	**4300439**	**4300416**
TECHNICAL DATA		
NOMINAL INPUT VOLTAGE	11Vdc - 15Vdc	11Vdc - 15Vdc
MAXIMUM CURRENT INPUT	37A @11V	48A @11V
PROTECTION FUSE	30A on the negative pole	30A on the negative pole
OUTPUT TECHNICAL DATA		
MAXIMUM CURRENT	25A continuous	40A continuous
SHORT-CIRCUIT PROTECTION	YES	YES
OVERLOAD PROTECTION	YES	YES
OUTPUT OVERVOLTAGE PROTECTION	YES	YES
OVERTEMPERATURE PROTECTION	YES	YES
BATTERY OVERTEMPERATURE PROTECTION	YES (optional with NTC sensor)	YES (optional with NTC sensor)
BATTERY TYPE SELECTOR	Dip-switch 4 position	Dip-switch 4 position
CHARGING LINE	IUoU - AGM / IUoU - GEL / IUoU -Pb / IUoU -LiFePO4	IUoU - AGM / IUoU - GEL / IUoU -Pb / IUoU -LiFePO4
INPUT D+ SIGNAL	12V	12V
GENERAL TECHNICAL DATA		
EFFICIENCY	90 %	90 %
OPERATING TEMPERATURE	0 ÷ 50° C	0 ÷ 50° C
VENTILATION	NO	YES
PROTECTION DEGREE	IP 20	IP 20
MAINS CONNECTION	"M5" screw	"M5" screw
BATTERY CONNECTION	"M5" screw	"M5" screw
DIMENSIONS (mm)	167x170x73mm	167x170x73mm
WEIGHT	1,3 kg	1,3 Kg
COLOUR	Black	Black

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PURE SINE WAVE INVERTERS 12V/230V – ERP SERIES

The new "ERP" series inverters, with pure sine wave output, specifically designed for use on campers and cars, stand out for their high performance, construction quality, maximum safety and reliability.

Main features and functions:

- Pure sine wave output, to maximize the efficiency of the powered devices and recommended especially for sensitive 230V users, such as audio and video equipment, laptops, satellite systems, devices and household appliances equipped with an electric motor, etc.
- 4 models with power from 300 to 2000W.
- Complete with USB Type-A port.
- Reduced size and weight thanks to HF technology.
- High quality and robust construction with aluminium alloy casing.
- Electrical insulation between 12Vdc input and 230Vac output.
- "Smart" load and temperature controlled cooling fan.
- Protection against overload, short circuit, over temperature, high / low voltage, reverse polarity.
- Predisposition for the connection of the remote control panel.



ERP300



ERP600



ERP1500

INVERTER	ERP300	ERP600	ERP1500
PART-NR	**4300164**	**4300165**	**4300166**
TECHNICAL DATA			
NO-LOAD OUTPUT VOLTAGE	230Vac± 10%	230Vac± 10%	230Vac± 10%
LOAD OUTPUT VOLTAGE	210÷240Vac	210÷240Vac	210÷240Vac
FREQUENCY	50Hz	50Hz	50Hz
PEAK POWER	600W	1200W	3000W
CONTINUOUS POWER	300W	600W	1500W
OUTPUT WAVE	Pure sine wave (THD < 5%)	Pure sine wave (THD < 5%)	Pure sine wave (THD < 5%)
SHORT-CIRCUIT PROTECTION	YES	YES	YES
OVER-LOAD PROTECTION	360÷400W	650÷750W	1550÷1800W
INPUT TECHNICAL DATA			
OPERATING VOLTAGE RANGE	11÷15Vdc	11÷15Vdc	11÷15Vdc
NO-LOAD CURRENT	≤ 0.8A	≤ 1.0A	≤ 1.3A
INPUT LOW-VOLTAGE ALARM	10.5Vdc	10.5Vdc	10.5Vdc
INPUT LOW-VOLTAGE SHUT DOWN	9.5Vdc	9.5Vdc	9.5Vdc
INPUT OVER-VOLTAGE SHUT DOWN	16Vdc	16Vdc	16Vdc
DC INPUT REVERSE POLARITY	YES (fuse)	YES (fuse)	YES (fuse)
GENERAL TECHNICAL DATA			
EFFICIENCY	≥ 85%	≥ 85%	≥ 85%
VENTILATION	Forced, variable automatic regulation	Forced, variable automatic regulation	Forced, variable automatic regulation
OPERATING TEMPERATURE	-15° ÷ +25°C; 60°C al 40% power load	-15° ÷ +25°C; 60°C al 40% power load	-15° ÷ +25°C; 60°C al 40% power load
OVER TEMPERATURE PROTECTION	YES	YES	YES
230V CONNECTION	Schuko socket	Schuko socket	Schuko socket
BATTERY CONNECTION	Clamps	Clamps	Clamps
USB OUTPUT	1x USB type A	1x USB type A	2x USB type A
REMOTE SWITCH	MCI3 (optional)	MCI3 (optional)	MCI3 (optional)
DIMENSIONS (mm)	236 x 171 x 74H	272 x 171 x 74H	375 x 210 x 100H
WEIGHT	1,4Kg	1,75Kg	3,9Kg
IVT FUNCTION INCLUDED	No	No	No

IVT Function included



ERP2000-IVT-PLUS

INVERTER	ERP2000-IVT PLUS
PART-NR	**4300357**
TECHNICAL DATA	
NO-LOAD OUTPUT VOLTAGE	230Vac± 10%
LOAD OUTPUT VOLTAGE	210÷240Vac
FREQUENCY	50Hz
PEAK POWER	4000W
CONTINUOUS POWER	2000W
OUTPUT WAVE	Pure sine wave (THD < 3%)
SHORT-CIRCUIT PROTECTION	YES
OVER-LOAD PROTECTION	2050÷2250W
INPUT TECHNICAL DATA	
OPERATING VOLTAGE RANGE	11÷15Vdc
NO-LOAD CURRENT	≤ 1.6A
INPUT LOW-VOLTAGE ALARM	10.5Vdc
INPUT LOW-VOLTAGE SHUT DOWN	9.5Vdc
INPUT OVER-VOLTAGE SHUT DOWN	16Vdc
DC INPUT REVERSE POLARITY	YES (fuse)
INPUT TECHNICAL DATA «MAINS MODE»	
OPERATING VOLTAGE RANGE	230Vac± 10%
FREQUENCY	50Hz
INPUT PROTECTION	Fuse 15A
AC SWITCH (INVERTER/MAINS MODE)	≤ 100ms
INPUT TECHNICAL DATA «MAINS MODE»	
EFFICIENCY	≥ 85%
VENTILATION	Forced, variable automatic regulation
ROOM TEMPERATURE	-15° ÷ +25°C; 60°C al 40% power load
OVER TEMPERATURE PROTECTION	YES
230V CONNECTION	1x Schuko socket
BATTERY CONNECTION	Clamps
USB OUTPUT	2x USB type A
REMOTE SWITCH	MCI3 (optional)
DIMENSIONS (mm)	385 x 250 x 100H
WEIGHT	4,9 Kg
IVT FUNCTION INCLUDED	YES

REMOTE CONTROL PANELS FOR INVERTERS



Remote control panels for inverters, equipped with LED to show inverter status (on / off) and complete with:

- Cable L=6 mm
- Frame

MCI3 / G 4300183
MCI3 / M 4300414
Built-in version, complete with "BMAC1C" Berker frame, fitting the "Modular Plates" and the "Modular Plates Berker" range.
Dimensions 60 x 60 mm.

Colours: /G Grey RAL 7015.
/M Brown RAL 8016.

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NEW

IVT Function included



ERP3000-IVT-PLUS

INVERTER	ERP3000-IVT RCD
PART-NR	**4304186**
TECHNICAL DATA	
NO-LOAD OUTPUT VOLTAGE	230Vac± 10%
LOAD OUTPUT VOLTAGE	210÷240Vac
FREQUENCY	50Hz
PEAK POWER	6000W
CONTINUOUS POWER	3000W
OUTPUT WAVE	Pure sine wave (THD < 3%)
SHORT-CIRCUIT PROTECTION	YES
OVER-LOAD PROTECTION	3100÷3400W
INPUT TECHNICAL DATA	
OPERATING VOLTAGE RANGE	11÷15Vdc
NO-LOAD CURRENT	≤ 1.6A
INPUT LOW-VOLTAGE ALARM	10.5Vdc
INPUT LOW-VOLTAGE SHUT DOWN	9.5Vdc
INPUT OVER-VOLTAGE SHUT DOWN	16Vdc
DC INPUT REVERSE POLARITY	YES (fuse)
INPUT TECHNICAL DATA «MAINS MODE»	
OPERATING VOLTAGE RANGE	230Vac± 10%
FREQUENCY	50Hz
INPUT PROTECTION	Fuse 20A
AC SWITCH (INVERTER/MAINS MODE)	≤ 100ms
GENERAL TECHNICAL DATA	
EFFICIENCY	≥ 85%
VENTILATION	Forced, variable automatic regulation
OPERATING TEMPERATURE	-15° ÷ +40%
OVER TEMPERATURE PROTECTION	YES
230V CONNECTION	1x Schuko socket
BATTERY CONNECTION	Clamps
RCD	20A Differential-Thermal Magnetic Circuit Breaker
REMOTE SWITCH	MCI3 (optional)
DIMENSIONS (mm)	422 x 300 x 93H
WEIGHT	6,3 Kg
IVT FUNCTION INCLUDED	YES (16A IEC C20 socket)

REMOTE CONTROL PANELS FOR INVERTERS



Remote control panels for inverters, equipped with LED to show inverter status (on / off) and complete with:

- Cable L=6 mm
- Frame

MCI3 / G 4300183
MCI3 / M 4300414
Built-in version, complete with "BMAC1C" Berker frame, fitting the "Modular Plates" and the "Modular Plates Berker" range.
Dimensions 60 x 60 mm.

Colours: /G Grey RAL 7015.
/M Brown RAL 8016.

DIMMER 12 V

DIMMER - LIGHT BRIGHTNESS ADJUSTER

The light brightness adjuster DLS200 is an electronic device which allows the brightness of the motorhome's internal lights to be varied (resistive incandescent, LED and halogen lights). It can be connected to one or more push buttons installed in the vehicle. By pressing once, lights can be switched on and off while continual pressing varies the light's brightness. The DLS200 can manage up to 8 different light channels up to 200W maximum power.

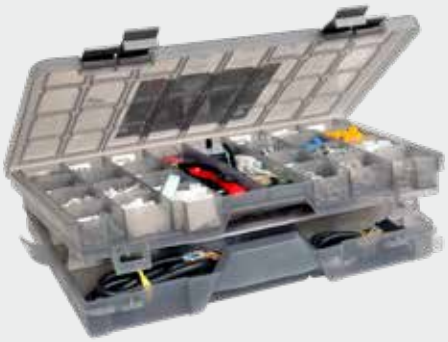
Technical Specs:

- Power supply / nominal voltage 12V cc
- Maximum power 200W
- Up to 8 dimmed light channels (parallelable)
- PWM (pulse-width modulation) outputs
- Short-circuit and overheating protection
- Dimensions (mm): 102 x 60 x 30
- Weight (Kg): 0,1



DLS200 4300108

CBE ASSISTANCE KIT BRIEFCASE



CBE ASSISTANCE KIT BRIEFCASE 4302661

Specific components and tools for assistance on CBE products. Content: connectors, terminals, terminals extraction tools (LOK, MINIFIT, MICROFIT), connection cables, electronic tank probes simulators, temperature sensors.

CONTROL PANEL

An electronic circuit allows the setting of fans to automatic or manual. It also sets the fans' speed depending on the temperature: the fridge will always work optimally and will be able to maintain the optimum temperature. A trimmer allows you to choose the temperature you want the fans to start at. An LED shows the functions. Supplied with spacer for wall-fixing installation. It fits the "Modular Plates" range (only model MCV).

FANS

The system consists of two silent and energy-saving fans, an electronic sensor, a metal support, a 1,5m long cable: easy and quick to install.



MCV
CONTROL PANEL (SPARE PART)



MCV-2
2 FANS + CONTROL PANEL, BROWN



P292
CONTROL PANEL (SPARE PART)



P292-2
2 FANS + CONTROL PANEL, GREY

MODEL	PART-NR	DESCRIPTION	FANS DIM. (mm)	CONTROL PANEL DIMENSIONS (mm)
MCV - 2	**4300003**	2 FANS + BROWN CONTROL PANEL	250 x 100 x 28	60 x 60
P292 - 2	**4300004**	2 FANS + GREY CONTROL PANEL	250 x 100 x 28	92 x 42
RICAMBI				
MCV	**4300023**	BROWN CONTROL PANEL		60 x 60
P292	**4300424**	GREY CONTROL PANEL		92 x 42

AUTOMATIC SWITCH FOR SERVICE BATTERIES



BDS200 4300427

The DUO-SYSTEM BATTERY is an electronic device with integrated microprocessor able to intelligently manage two lead, gel, AGM and lithium 12 V service batteries, both during charging (with alternator, battery charger and photovoltaic modules) and during discharging.

Using the BDS200 has several advantages:

- management of battery charge and discharge separately and alternately
- possibility of connecting two batteries of different capacities and different ages
- control of the functionality of each individual battery and, in case of faulty battery, isolation of the same with light signalling (yellow LED on the BDS200)
- "save battery" function, which disconnects the batteries when a safety voltage is reached to avoid irreversible damage
- possibility of electrically disconnecting both service batteries (in case of prolonged periods of inactivity) using the switch located on the device or via a remote switch
- management of high currents (charge and discharge) up to a maximum of 100A with peaks of 120A for each battery
- possibility of connecting utilities with consumption up to a maximum of 200A
- possibility of connecting a control panel (MC-180) for selecting the operating mode of the equipment (automatic/manual)
- possibility of connecting to mobile devices via the "ONDA SMART SYSTEM" App

Dimensions (mm): 150 x 110 / h 48
Colour: black

CONTROL PANEL FOR DUO-SYSTEM 200 BATTERY



MC-180 / G 4300043
MC-180 / M 4300044

Remote control panel for selecting the operating mode of the BDS200.

MANUAL: the user can choose which battery to use, both during charging and discharging.

AUTOMATIC: the service batteries are charged or discharged automatically according to the microprocessor algorithm integrated in the "BDS200".

The panel is equipped with LEDs for view of the battery used and for signalling a possible faulty battery.

The package includes the connection cable to the "BDS200" L=6 m and the frame "BMAC1".

The panel can be combined with the "MODULAR PLATES BERKER" series.

Recessed version - dimensions (mm): 60 x 60

Colours: grey RAL 7021 or brown RAL 801

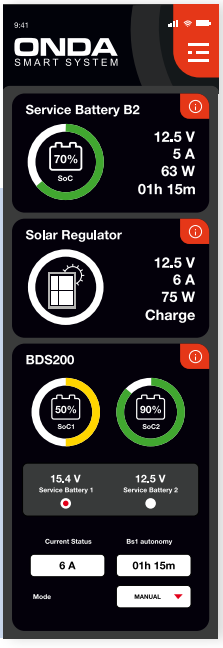
APP - ONDA SMART SYSTEM

The "ONDA SMART SYSTEM" App for mobile devices has been specially developed to manage and extend the functions of BDS200. The connection between the BDS200 and the mobile devices is via Bluetooth and it has an operating range limited to the area surrounding the vehicle.

DOWNLOAD ON THE Google Play DOWNLOAD ON THE App Store

The "ONDA SMART SYSTEM" App allows you to:

- select the operation mode of the BDS200 (automatic/manual)
- view in volts the voltage of the two batteries
- view real-time charging and discharging of the current
- view the remaining autonomy of the battery in use
- view the number of charge and discharge cycles of the two batteries
- view the signal of the intervention of the "save battery" function
- view the state of charge of the batteries (SoC)
- view the state of health of the batteries (SoH)
- receive information about any abnormalities in the batteries
- view the manual of the BDS200
- update the BDS200 firmware



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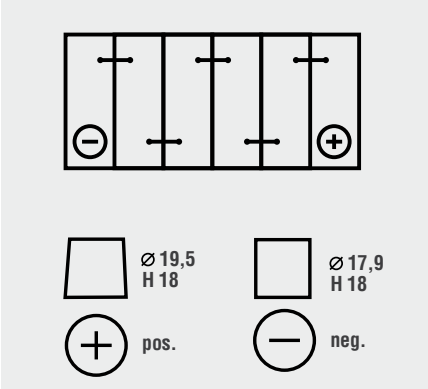
VARTA AGM



MAIN ADVANTAGES

- Designed for motorhomes, caravans and boats to run electrical equipment with moderate energy requirements
- Long lasting – up to three times the cyclic stability of conventional flooded batteries
- Minimal self-discharge makes it ideal for seasonal use
- AGM technology for high rate discharge performance, plus superb shock and vibration resistance
- Ideal for dual power applications (can be used for both starting and overall energy supply)

DIAGRAMS



CODE AL-KO	4300307
CODE EAN13 AL-KO	8033123268394
EUROPEAN TYPE NO. (ETN)	595901085
VOLTAGE (V)	12V
BATTERY CAPACITY	95AH
CCA, EN [A]	850AH
DIMENSIONS (mm)	353x175x190
BASE HOLD-DOWN	B13
LAYOUT	0
TERMINAL TYPES	1
CASE SIZE	H8/LN5
WEIGHT FILLED (KG)	26,4

*for more information visit: varta-automotive.com

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VARTA LITHIUM

MAIN ADVANTAGES

- Monitors each individual cell in the battery and balances the cells
- Prevents too low and too high voltage
- Protects battery from overcharging, draining, shortcircuiting and overheating.
- Parallel & series connection
- Supports sub zero charging



VARTA LL200

Model	VARTA LL200
Code	4360006
Size	345x350x188
Technology	LiFePO4
Application	Deep-Cycle
Rated Capacity	200Ah / 2560Wh
Nominal voltage	12.8V
Energy	2560Wh
Voltage range	9.2 - 14.8V
Charge voltage	14.2 ~ 14.6V
Max. charge current (1C)	200A
Continuous Discharge Current Max	200A
Peak Discharge (10S)	350A
Peak Discharge (1S)	-
Charge temperature range	0°C to 45°C
Heating	no
Discharge temperature range	-20°C to 60°C
Enclosure Protection (IP)	IP67
Weight	~27kg
Terminal	M8
Bluetooth + App	yes
CI Bus	no
CAN bus	RS485 & J1939
Sleep Mode	yes
Parallel/Serial connection	yes
ETN	850 200 000
EAN Code	4016987166963



VARTA LL150



VARTA LL150LT

Model	VARTA LL150	VARTA LL150LT
Code	4360004	4360005
Size	353x175x190mm (H8)	353x175x190mm (H6)
Technology	LiFePO4	LiFePO4
Application	Deep-Cycle	Deep-Cycle
Rated Capacity	150Ah / 1920Wh	150Ah / 1920Wh
Nominal voltage	12.8V	12.8V
Energy	1920Wh	1920Wh
Voltage range	9.2 - 14.8V	9.2 - 14.8V
Charge voltage	14.2 ~ 14.6V	14.2 ~ 14.6V
Max. charge current (1C)	150A	150A
Continuous Discharge Current Max	150A	150A
Peak Discharge (10S)	300A	300A
Peak Discharge (1S)	450A	450A
Charge temperature range	0°C to 45°C	-20°C to 45°C
Heating	no	-20°C Smart Heating
Discharge temperature range	-20°C to 60°C	-20°C to 60°C
Enclosure Protection (IP)	IP67	IP67
Weight	~17kg	~17kg
Terminal	DIN + M8	DIN + M8
Bluetooth + App	yes	yes
CI Bus	yes	yes
CAN bus	RS485 & J1939	RS485 & J1939
Sleep Mode	yes	yes
Parallel/Serial connection	yes	yes
ETN	850 150 000	850 150 001
EAN Code	4016987166949	4016987166956

VARTA LT (Low Temperature) Technology

The **VARTA LT** range is specifically designed for use and charging in extreme weather conditions.



VARTA LL100



VARTA LL100LT

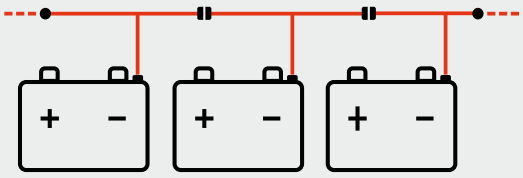
Model	VARTA LL100	VARTA LL100LT
Code	4360002	4360003
Size	278x175x190mm (H6)	278x175x190mm (H6)
Technology	LiFePO4	LiFePO4
Application	Deep-Cycle	Deep-Cycle
Rated Capacity	100Ah / 1280Wh	100Ah / 1280Wh
Nominal voltage	12.8V	12.8V
Energy	1280Wh	1280Wh
Voltage range	9.2 - 14.8V	9.2 - 14.8V
Charge voltage	14.2 ~ 14.6V	14.2 ~ 14.6V
Max. charge current (1C)	100A	100A
Continuous Discharge Current Max	100A	100A
Peak Discharge (10S)	200A	200A
Peak Discharge (1S)	300A	300A
Charge temperature range	0°C to 45°C	-20°C to 45°C
Heating	no	-20°C Smart Heating
Discharge temperature range	-20°C to 60°C	-20°C to 60°C
Enclosure Protection (IP)	IP67	IP67
Weight	~12kg	~12kg
Terminal	DIN + M8	DIN + M8
Bluetooth + App	yes	yes
CI Bus	yes	yes
CAN bus	RS485 & J1939	RS485 & J1939
Sleep Mode	yes	yes
Parallel/Serial connection	yes	yes
ETN	850 100 000	850 100 001
EAN Code	4016987166925	4016987166932



VARTA LL50

Model	VARTA LL50
Code	4360001
Size	195x132x183mm
Technology	LiFePO4
Application	Deep-Cycle
Rated Capacity	50Ah / 640Wh
Nominal voltage	12.8V
Energy	640Wh
Voltage range	9.2 - 14.8V
Charge voltage	14.2 ~ 14.6V
Max. charge current (1C)	50A
Continuous Discharge Current Max	50A
Peak Discharge (10S)	100A
Peak Discharge (1S)	150A
Charge temperature range	0°C to 45°C
Heating	no
Discharge temperature range	-20°C to 60°C
Enclosure Protection (IP)	IP67
Weight	~6,5kg
Terminal	M6
Bluetooth + App	yes
CI Bus	no
CAN bus	no
Sleep Mode	yes
Parallel/Serial connection	yes
ETN	850 050 000
EAN Code	4016987166918

WIRING DIAGRAM FOR PARALLEL CONNECTION OF LITHIUM BATTERIES



4343317
Y-Cable BMS connection Li-Ion 100/150 (for batteries connection in parallel mode).

4343318
Y-Cable BMS connection LL200(for batteries connection in parallel mode).



R419/90 4301625**
4340754*

12V universal plug 90° + LED



R412 4301632**
4340760*

12V plug Ø12



R419 4301633**
4340761*

12V universal plug + 8A fuse

R419/L 4301624**
4340753*

12V universal plug + 8A fuse + LED



R513 4301866**
4340756*

12V wall-fixing socket Ø12 with cover



R511 4301868**
4340759*

12V socket Ø12



R512 4301867**
4340758*

12V socket Ø12 with cover



R414 4301638**
4347036*

12V wall-fixing cigarette lighter socket Ø21



R417 4301636**
4340766*

Adapter 12V plug Ø12 / 12V cigarette lighter socket Ø21, cable L=0,25m



R417/R 4301718**
4300150*

Adapter 12V Plug Ø12 /
12V cigarette lighter socket Ø21

* Minimum order 10 pieces or multiples of 10
** Blister

CBE



R417/2F 4301652**
4340781*

Adapter 12V universal plug /
12V cigarette lighter socket Ø21,
flexible cable L=0,6-3m



R510/2 4301626**
4340779*

12V cigarette lighter socket Ø21,
cable L=1,8m



R510/P 4301627**
4340768*

12V cigarette lighter socket Ø21 + clamps,
cable L=1m



R555/8 4300122**
4347048*

Adapter 12V universal plug/
pin 2,5 x 5,5 (8A)



R555/2 4300121**
4347049*

Adapter 12V universal plug/
pin 2,1 x 5,5 (2A)



R550/UP 4301717**
4347045*

5V 3A USB charging socket L=1m
(12V input)



R550/UI 4301712**
4300097*

5V 3A USB charging socket
(12V input)



R418/3U 4301640**
4347039*

Adapter 12V universal plug /
2 12V cigarette lighter sockets Ø21 + 5V
3A USB charging socket, cable L=1,5m



R550/UU 4301714**
4300103*

5V 2 x 2,5A double USB charging socket
(12V input)

* Minimum order 10 pieces or multiples of 10
** Blister



R420 4300007**
Fuse-holder + 10A fuse



R420/S 4300124**
Watertight fuse-holder + 10A fuse



R420/C 4300123**
Modular fuse-holder



R421 4301859**
Built-in fuse-holder + 10A fuse



R457/50 4300008**
"Maxi" fuse-holder + 50A fuse + terminals



R450 4300225**
4301861 (no ring terminals)*
50A fuse-holder + strip fuse
+ 2 ring terminals



R444 4301579**
4 ways fuse-holder with cover
R446 4301580**
6 ways fuse-holder with cover



R459/... 4300453**
4300454*
"Megaval" fuse-holder



R460/... 4301839 (3A)**
4301840 (5A)**
4301841 (7,5A)**
4301842 (10A)**
4301843 (15A)**
4301844 (20A)**
4301845 (25A)**
4301846 (30A)**
4301847 (40A)**
Blade fuses 10 pcs

* Minimum order 10 pieces or multiples of 10
** Blister

CBE



R461/... 4301830 (3A)**
4301831 (5A)**
4301832 (7,5A)**
4301833 (10A)**
4301834 (15A)**
4301835 (20A)**
4301836 (25A)**
4301837 (30A)**
"Minival" blade fuses – 10pcs



R466/... 4301848 (30A)**
4301850 (50A)**
4301851 (80A)**
Strip fuses – 10pcs



R468/... 4300448 (100A)**
4300449 (125A)**
4300450 (150A)**
4300451 (200A)**
4300452 (250A)**
"Megaval" blade fuses – 2pcs



R470/... 4301852 (30A)**
4301853 (50A)**
"Maxi" blade fuses - 2pcs



R480/... 4301855 (70A)**
4301856 (80A)**
4301857 (125A)**
"Midival" blade fuses – 2pcs



R228 4300020**
12V 70A relay



R237 4301587**
12V red luminous switch



R200 4300033**
MTA branch knot 3 x M8



R225 4301871**
Relay single pole double throw
with diode 40/30A

* Minimum order 10 pieces or multiples of 10
** Blister



R290 4300013**
4300127 (without ring terminals)*
Battery isolator switch 100A / 500A (10 sec)



R295 4301874**
4348213 (without ring terminals)*
Battery isolator switch 150A / 1200A (5 sec)



R295/P 4300128**
Battery isolator switch 150A / 1200A with knob and display (5 sec)



R290/C 4301873**
Spare key for R290 Battery isolator switch



R295/C 4301875**
Spare key for R295 Battery isolator switch



R295/R 4300129
Battery isolator switch 300A/1000A (5 sec)



R331 4300308**
Battery terminals with cover



BB150N 4303512
150A busbar, complete with transparent cover (black)

BB150R 4303513
150A busbar, complete with transparent cover (red)



BB250N 4303514
250A busbar, complete with transparent cover

* Minimum order 10 pieces or multiples of 10
** Blister



R407 4300139**
4340752*
Caravan plug 7 pins



R408 4300009**
4340769*
Caravan plug 13 pins



R507 4300140**
4320264*
Caravan socket 7 pins



R409/R 4300015**
4300441*
Adapter 7 pins plug / 13 pins socket



R410/R 4301644**
4347053*
Adapter 13 pins plug / 7 pins socket



R508 4300141**
4340770*
Caravan socket 13 pins



R409 4301641**
4340771*
Adapter 7 pins plug / 13 pins socket
with cable L=1m



R411 4301643**
4340773*
Adapter 13 pins plug / 7 pins socket L=1m

* Minimum order 10 pieces or multiples of 10
** Blister



R425 4300115**

230V Extension cable H07RN-F, 3 x 2,5 mm² 25m, CEE plug / CEE socket



R425/S 4300328**

230V Extension cable H07RN-F, 3 x 2,5 mm² 25m, CEE plug / CEE socket + schuko socket



CODE	MODEL	DESCRIPTION
4300412	**R425A**	**EXTENSION CABLE CEE/CEE 25m 3x1.5mm² H07RN-F**
4300421	**R425C**	**EXTENSION CABLE CEE/CEE 15m 3x1.5mm² H07RN-F**

All extensions come with a bag



CODE	MODEL	DESCRIPTION
4300417	**R425A/S**	**EXTENSION CABLE CEE/CEE + Schuko 25m 3x1.5mm² H07RN-F**
4300422	**R425C/S**	**EXTENSION CABLE CEE/CEE + Schuko 15m 3x1.5mm² H07RN-F**

All extensions come with a bag



R522 4301612**
4300079*

230V CEE female socket



R422 4301611**
4340731*

230V CEE male plug



R540 4301623**
4300135*

230V schuko socket



R440 4301622**
4349922*

230V schuko plug



R428 4301616**
4300136*

Adapter 90° schuko plug / 230V CEE blue socket

* Minimum order 10 pieces or multiples of 10
** Blister

CBE



R428/I 4301615**
4340737*

Adapter 90° italian plug /
230V CEE blue socket



R424 4300131**

Adapter 230V schuko plug /
230V CEE socket, cable L=0,3m



R429 4301617**
4300094*

Adapter schuko plug /
230V CEE blue socket



R523 4301613**
4340733*

230V blue CEE socket 90° +
schuko socket



R441 4301609**
4300130*

230V watertight schuko plug in black
rubber



R541 4301610**
4340730*

230V watertight schuko socket in black
rubber



R426/B 4301618**
4340740**

Adapter 230V CEE plug /
schuko socket



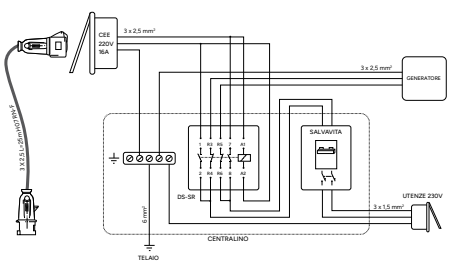
R427 4301723**

Adapter 230V CEE plug /
french standard socket



DS 1 00 4300125

230V 13A magneto-thermal switch (MCB)
with 2 protected poles,
dimensions 138 x 180 x 85mm.
Colour: Light Grey



* Minimum order 10 pieces or multiples of 10
** Blister



DS120 4300235

230V 13A magneto-thermal switch (RCD) with 2 protected poles, dimensions 138 x 180 x 85mm. Colour: Light Grey



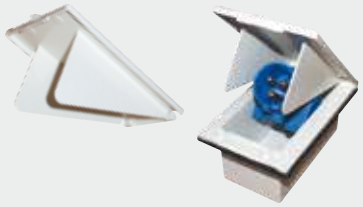
DS-SR 4300021

230V 25A relay net-generator changeover



230V built-in male CEE plug, 105 x 110mm, white

MODEL	COLOUR	BLISTER	BOX*
R430	**WHITE**	**4300095**	**4300019**
R430/GR	**ANTHRACITE GREY**	**4303418**	**4347011**



230V built-in male CEE plug, 100 x 160mm, white

MODEL	BLISTER
R431	4300101

Coperchio di ricambio

MODEL	BLISTER
R431/C	4300086



R432 4300096*

230V built-in "ROSI" CEE plug, 110 x 160mm, white



R432/C 4300426**

Spare cover for R432 plug, 110 x 160 mm, white



R435 4300114**
4340764*

230V built in external socket + 12V socket + TV + SAT, 105 x 110 mm, white



230V built-in male CEE plug with magnetic locking, 130 x 145mm

MODEL	COLOUR	BOX*
R430M	**WHITE**	**4300138**
R430M/N	**BLACK**	**4300435**

Replacement lid

MODEL	COLOUR	BOX*
R430M/C	**WHITE**	**4300438**
R430M/NC	**BLACK**	**4300437**

* Minimum order 10 pieces or multiples of 10
** Blister

DIGITIZE YOUR MOTORHOME

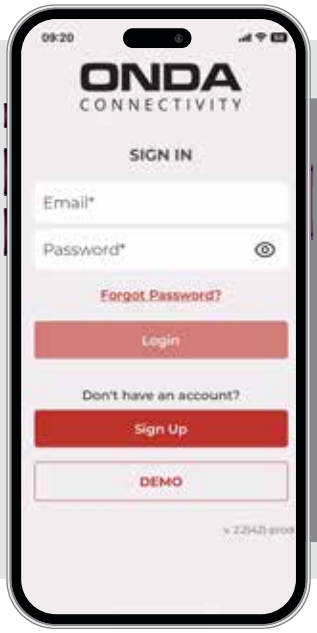
Take your travel experience to the next level: control lights, temperature, battery, and more, right from your phone.
Manage every detail, wherever you are. Comfort, control and freedom in one app.

APP ONDA CONNECTIVITY & ONDA SMART SYSTEM



CBE

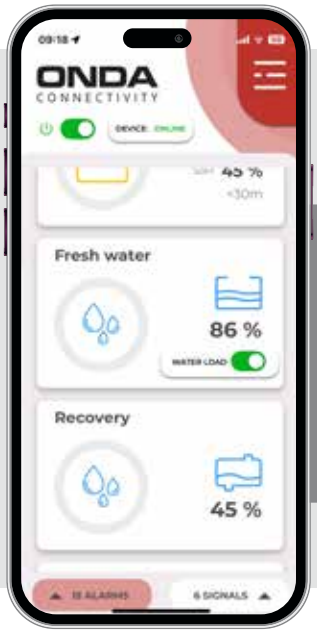
ONDA CONNECTIVITY



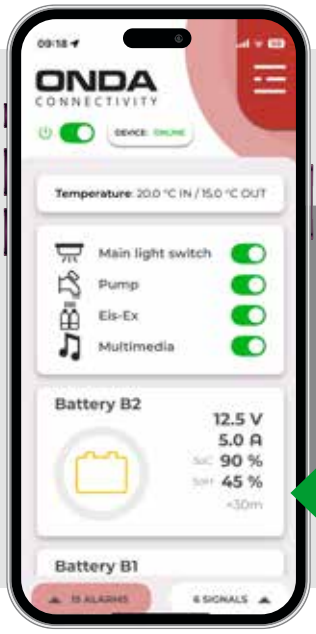
The mobile app **'ONDA CONNECTIVITY'** has been specifically developed to manage and **control all motorhome functions** through a single interface. It enables communication **with smartphones** and tablets either locally via Bluetooth or **remotely** via cloud over the internet, all using a single SIM card.



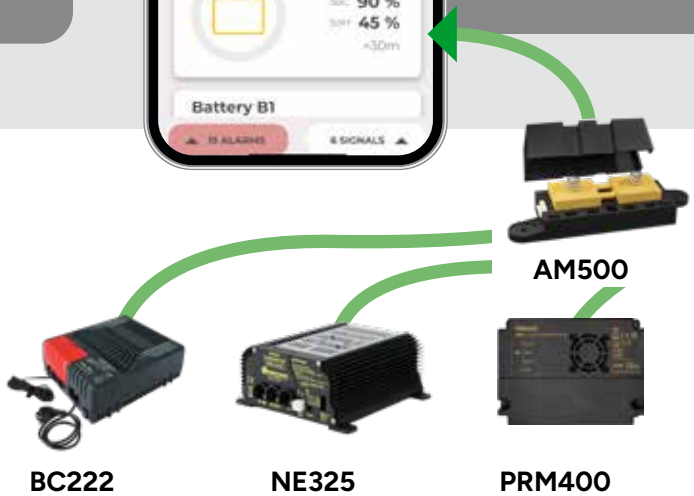
Check your battery status and solar charge controller.
Stay in control of your energy, wherever you are.

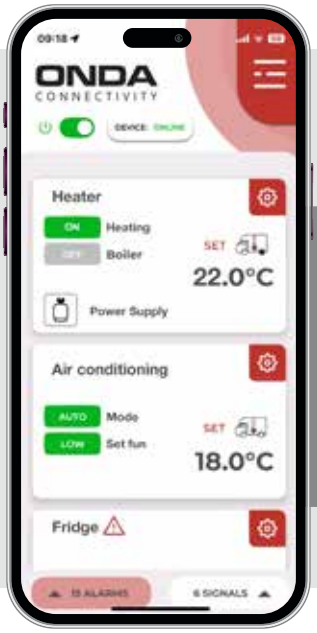


Keep an eye on your fresh water tank level.
Always know how much water you have left, with no surprises.



Check the service battery charge level.
So you're always aware of your remaining power.

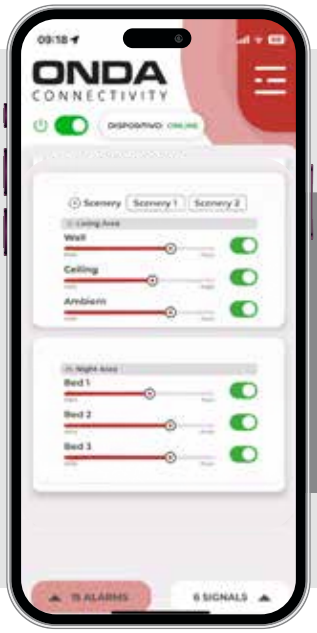




Adjust the camper's temperature before you arrive.
So it's nice and cool in summer or warm and cozy in winter - just the way you like it.



Monitor your fridge temperature remotely.
Keep your food and drinks perfectly chilled, even when you're away.



Adjust the light with a tap.
Pick your favorite color and set the brightness to match the mood.



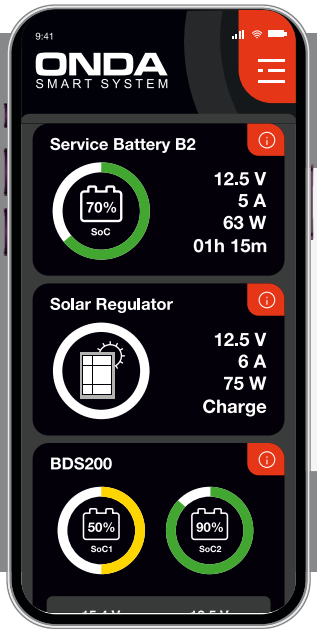
Locate your camper wherever it is.
And with the built-in inclinometer, you can make sure it's parked level.

Download on the App Store

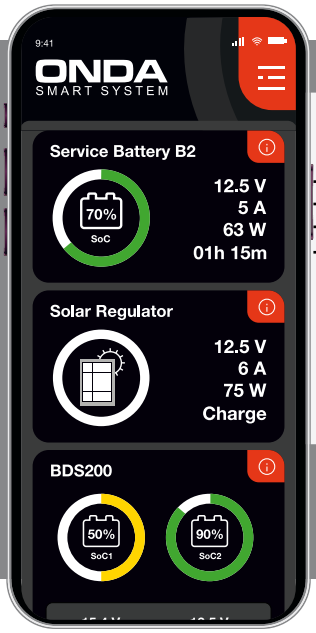
Download on the Google Play

CBE

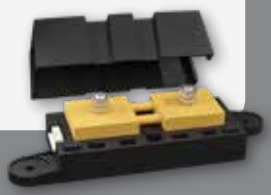
ONDA SMART SYSTEM

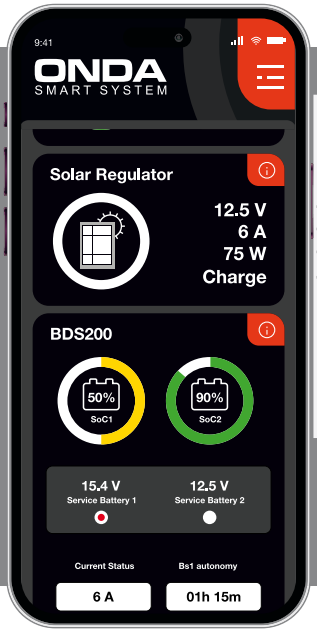


The "**ONDA SMART SYSTEM**" App for mobile devices has been specially developed to manage and extend the functions of **AM500 PRM400** and **BDS200**.



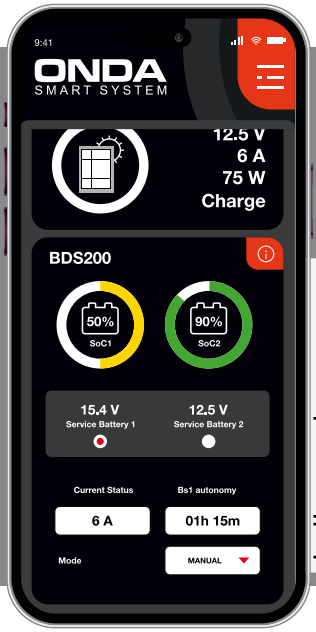
- B2 VOLTAGE
- INSTANTANEOUS CURRENT ABSORBED / CONSUMED
- POWER ABSORBED CONSUMED
- REMAINING BATTERY LIFE





- VOLTAGE
- CHARGING / DISCHARGING CURRENT
- POWER DERIVED FROM THE PANEL
- STATE OF CHARGE CHARGE - FLOAT - OFF







- VOLTAGE BATTERY (1) BATTERY (2)
- OVERALL AUTONOMY OF BATTERY 1 AND 2
- CURRENT ABSORBED / CONSUMED
- AUTOMATIC / MANUAL MODE SELECTOR

DOWNLOAD ON THE App Store

DOWNLOAD ON THE Google Play

CODE CONVERSION: FROM NEW CODE TO OLD CODE

From the 2026-27 catalogue, all items are identified by a new numerical code.
The tables show the correspondence with the codes used in previous catalogues.
Sorted by new code.

NEW CODE	OLD CODE
4300001	212892
4300002	235652
4300003	200312
4300004	200322
4300011	204274
4300014	235362
4300016	275362
4300017	235152
4300018	275152
4300019	002730
4300021	203635
4300023	212864
4300024	707050
4300025	707134
4300034	250410
4300035	250425
4300036	707220
4300039	232802
4300040	232803
4300041	232800
4300042	232801
4300043	215255
4300044	215256
4300055	111800
4300056	112100
4300059	209000
4300060	505000
4300061	505140
4300066	708661
4300067	270802
4300068	270842
4300069	270822
4300070	270702
4300071	270862
4300072	270712
4300073	273072
4300074	270722
4300075	270882
4300076	270902
4300077	212814
4300078	212839
4300080	270161
4300082	270152
4300083	270172
4300084	270482
4300085	272052
4300086	212727
4300087	212907
4300088	270182
4300090	212872
4300092	212855
4300093	212880
4300095	212730
4300098	212921

NEW CODE	OLD CODE
4300099	270652
4300100	212922
4300101	212725
4300102	270502
4300104	270573
4300105	270572
4300106	212898
4300108	402200
4300112	270272
4300113	270332
4300119	275802
4300120	275702
4300125	203640
4300127	003467
4300129	003467C
4300133	707051
4300134	707052
4300137	707200
4300138	002730M
4300145	270232
4300164	215475
4300165	215477
4300166	215481
4300175	270012
4300176	270032
4300177	204285
4300178	204742
4300180	204762
4300181	204732
4300182	270662
4300183	215470
4300186	270202
4300188	270122
4300189	270142
4300190	272112
4300205	212815
4300206	212867
4300207	212840
4300208	212813
4300209	212791
4300210	212923
4300211	212929
4300212	212932
4300213	270342
4300214	212809
4300215	212841
4300216	212670
4300217	212678
4300218	215346
4300219	215366
4300220	215386
4300221	215406
4300222	111100
4300223	709160

NEW CODE	OLD CODE
4300224	709623
4300225	222551
4300226	709020
4300227	112600
4300235	203690
4300257	215981B
4300258	215982B
4300259	215983B
4300263	250410B
4300264	250425B
4300269	270322
4300270	270302
4300271	212668
4300285	1347.000.04
4300288	1347.333.01
4300289	1347.334.01
4300290	1347.273.03
4300292	212812
4300293	212834
4300294	270292
4300297	270362
4300298	212893
4300299	204750
4300307	21.0001.000
4300312	212866
4300313	212837
4300314	212994
4300315	215302
4300316	215342
4300317	215382
4300318	212869
4300320	212681
4300321	212660
4300323	212602
4300324	212612
4300325	270732
4300330	215985
4300331	707080
4300357	215485
4300358	205025N
4300359	205026N
4300360	250430
4300363	215984
4300364	204268
4300365	204480
4300370	204286
4300372	270132
4300373	270212
4300375	270402
4300376	270412
4300378	270492
4300393	272062
4300394	272082
4300412	212956

NEW CODE	OLD CODE
4300413	204738
4300414	215471
4300416	4215.325.02
4300417	212958
4300421	212956C
4300422	212958C
4300424	200293
4300425	204754
4300427	402182
4300429	525140
4300430	707062
4300431	707070
4300432	707071
4300433	707085
4300434	707140
4300435	002730ML
4300436	1347.356.01
4300437	212730MM
4300438	212730MP
4300439	4215.325.01
4300440	A1.0543.004
4300445	215986B
4300448	222100
4300449	222125
4300450	222150
4300451	222200
4300452	222250
4300456	C0.0543.001
4300458	709673
4300459	212895
4301015	111012
4301054	111600
4301194	120300
4301195	120301
4301204	125001
4301397	204452
4301561	209850
4301572	212302
4301573	212312
4301574	212322
4301575	212332
4301576	212342
4301577	212352
4301578	212362
4301581	212552
4301582	212562
4301583	212572
4301584	212606
4301586	212616
4301589	212640
4301590	212644
4301591	212648
4301595	212667
4301596	212669

NEW CODE	OLD CODE
4301597	212672
4301598	212675
4301599	212676
4301600	212677
4301602	212696
4301603	212697
4301604	212698
4301605	212699
4301606	212700
4301607	212701
4301649	212790
4301650	212792
4301658	212804
4301659	212808
4301663	212821
4301664	212822
4301665	212823
4301667	212826
4301668	212827
4301669	212828
4301670	212829
4301675	212838
4301676	212843
4301677	212844
4301678	212846
4301679	212847
4301680	212849
4301681	212850
4301682	212852
4301683	212853
4301684	212856
4301685	212858
4301686	212859
4301687	212862
4301689	212868
4301690	212870
4301691	212871
4301692	212873
4301693	212874
4301694	212881
4301695	212882
4301703	212908
4301704	212909
4301705	212917
4301706	212918
4301715	212931
4301716	212933
4301726	212990
4301727	212991
4301730	212995
4301731	215030
4301732	215031
4301735	215040
4301767	215306

NEW CODE	OLD CODE
4301768	215322
4301769	215326
4301772	215362
4301775	215402
4301778	215412
4301779	215416
4301780	215422
4301781	215426
4301782	215432
4301783	215436
4301830	221003
4301831	221005
4301832	221007
4301833	221010
4301834	221015
4301835	221020
4301836	221025
4301837	221030
4301839	222003
4301840	222005
4301841	222007
4301842	222010
4301843	222015
4301844	222020
4301845	222025
4301846	222030
4301847	222040
4301848	222053
4301850	222055
4301851	222058
4301852	222063
4301853	222065
4301855	222087
4301856	222088
4301857	222089
4301861	222550
4301878	235052
4301879	235056
4301882	235120
4301883	235122
4301884	235125
4301885	235126
4301886	235140
4301887	235142
4301888	235145
4301889	235146
4301890	235150
4301891	235155
4301892	235156
4301893	235162
4301894	235165
4301895	235166
4301896	235182
4301897	235185









NEW CODE	OLD CODE
4301898	235186
4301899	235212
4301901	235222
4301902	235226
4301903	235242
4301904	235252
4301905	235272
4301907	235360
4301908	235366
4301909	235390
4301910	235392
4301911	235396
4301917	235600
4301918	235602
4301919	235606
4301920	235612
4301921	235616
4301922	235620
4301923	235622
4301924	235625
4301925	235626
4301926	235632
4301927	235636
4301928	235642
4301929	235646
4301930	235650
4301931	235656
4301932	235662
4301933	235666
4301934	235700
4301935	235702
4301936	235705
4301937	235706
4301938	235720
4301939	235722
4301940	235725
4301941	235726
4301942	235740
4301943	235742
4301944	235746
4301945	235800
4301946	235802
4301947	235805
4301948	235806
4301950	235822
4301951	235826
4301952	235842
4301953	235846
4301960	270010
4301961	270014
4301962	270016
4301964	270030
4301965	270034
4301982	270120

NEW CODE	OLD CODE
4301985	270124
4301987	270126
4301989	270130
4301990	270134
4301992	270136
4301996	270140
4301998	270144
4301999	270146
4302001	270150
4302002	270154
4302003	270156
4302004	270160
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4302008	270165
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4302010	270174
4302011	270176
4302013	270180
4302014	270184
4302015	270186
4302024	270206
4302026	270210
4302028	270214
4302029	270216
4302037	270230
4302038	270234
4302040	270236
4302056	270270
4302057	270274
4302058	270276
4302061	270300
4302063	270306
4302067	270320
4302069	270324
4302071	270326
4302073	270330
4302075	270334
4302076	270336
4302079	270346
4302083	270360
4302084	270364
4302085	270366
4302090	270390
4302091	270392
4302092	270394
4302093	270396
4302094	270400
4302096	270404
4302098	270406
4302102	270410
4302103	270414
4302104	270416
4302131	270500
4302132	270504

NEW CODE	OLD CODE
4302133	270506
4302134	270512
4302149	270576
4302150	270577
4302154	270600
4302155	270602
4302156	270604
4302157	270606
4302159	270646
4302160	270656
4302161	270666
4302162	270668
4302165	270700
4302166	270704
4302167	270706
4302169	270716
4302170	270720
4302171	270724
4302172	270726
4302174	270736
4302175	270752
4302176	270762
4302177	270772
4302180	270806
4302184	270826
4302192	270846
4302196	270866
4302206	270886
4302209	270906
4302219	271102
4302220	271112
4302221	271122
4302222	271132
4302223	271142
4302224	271152
4302225	271162
4302233	272054
4302234	272056
4302237	272066
4302241	272080
4302242	272084
4302243	272086
4302249	272116
4302260	273076
4302261	275050
4302262	275052
4302263	275056
4302264	275120
4302265	275122
4302266	275125
4302267	275126
4302268	275140
4302269	275142
4302270	275145

NEW CODE	OLD CODE
4302271	275146
4302272	275150
4302273	275155
4302274	275156
4302275	275160
4302276	275162
4302277	275165
4302278	275166
4302279	275180
4302280	275182
4302281	275185
4302282	275186
4302284	275212
4302287	275222
4302288	275226
4302289	275242
4302290	275252
4302291	275272
4302292	275275
4302294	275340
4302295	275342
4302296	275346
4302298	275360
4302299	275366
4302300	275390
4302301	275392
4302302	275396
4302308	275600
4302309	275602
4302310	275606
4302311	275610
4302312	275612
4302313	275616
4302314	275620
4302315	275622
4302316	275625
4302317	275626
4302318	275630
4302319	275632
4302320	275636
4302321	275642
4302322	275646
4302323	275652
4302324	275656
4302325	275662
4302326	275666
4302327	275700
4302328	275705
4302329	275706
4302330	275720
4302331	275722
4302332	275725
4302333	275726
4302334	275740

NEW CODE	OLD CODE
4302335	275742
4302336	275745
4302337	275746
4302338	275800
4302339	275805
4302340	275806
4302341	275822
4302342	275826
4302343	275842
4302344	275846
4302368	323018
4302642	707060
4302643	707061
4302644	707063
4302645	707073
4302646	707074
4302647	707090
4302652	707143
4302653	707144
4302654	707146
4302655	707210
4302661	900059
4302689	000.400.32
4302821	1347.356.02
4302822	1347.362.01
4302872	1350.356.02
4303418	212730AN
4303467	215981S
4303468	215987A
4303469	215987B
4303512	222921N
4303513	222921R
4303514	222922N
4303634	270572SS
4303651	271010GR
4303652	271010MA
4303655	271020GR
4303656	271020MA
4303660	271030GR
4303662	271030MA
4304050	707060C
4304058	A0.0543.004
4304146	000.405.19
4304147	P3.0543.005
4304155	P4.0543.005
4304162	250407B
4304174	215986C
4304175	215986D
4304176	215986E
4304180	B6.0543.002
4304186	215487
4310114	709170
4310115	709171
4310123	709670

NEW CODE	OLD CODE
4310124	709671
4310125	709672
4310126	709674
4310127	709680
4310260	000.400.70
4310600	000.404.66
4312062	006538AB
4312063	006538AC
4313643	006696AL
4313644	006696AM
4343317	21.1000.001
4343318	21.1000.002
4347011	002730AN
4348213	003467A
4349376	006385AGE
4349389	006538AE
4349390	006538AF
4349951	006538AG
4360001	21.0002.000
4360002	21.0003.000
4360003	21.0003.100
4360004	21.0004.000
4360005	21.0004.100
4360006	21.0005.000
4360007	204292

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ALKO Vehicle Technology Electronics S.r.l.
Via Vienna, 4 | 38121 Trento (Italy) | T. +39 0461 991598
service.nordelettronica.vte@alko-tech.com | service.cbe.vte@alko-tech.com
www.alko-tech.com

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