



STAY CONNECTED

SMART ACCESSORIES FOR RELIABLE POWER SUPPLY – ANYTIME, ANYWHERE

You're in a remote location, at least an hour's cruise from the nearest power source. You need power to run your appliances. No problem. We provide a complete range of solutions to keep you connected and in control. Enjoy your cruise with all the comforts of home. Mobile energy systems from Dometic guarantee a perfect power supply on

board. Lightweight and compact battery chargers keep the batteries in good condition. Sine wave inverters deliver 230 volts AC power for your comfort appliances. The models in our new inverter generation give you unprecedented comfort and independence.

01



02



01 BATTERY CARE AND MORE

PerfectBattery accessories keep batteries in shipshape condition, even after long periods of standstill. The battery controller keeps an eye on the batteries, checking the load, the charge currents and the charging status.

02 BATTERY CHARGERS

Dometic offers all kinds of battery chargers. The mobile MPC is perfect for charging and maintaining your engine starter battery, whereas the fixed installed MCA chargers charge and maintain also bigger auxilliary batteries in a gentle and fast way.

03 INVERTERS

An all-new range of sine wave inverters – ideal for sensitive 230-volt devices. Well proven inverter models generating a modified sine wave voltage, which is fine for many standard applications.

03



DOMETIC MPC 01

INTELLIGENT BATTERY MANAGEMENT SYSTEM

How's the charge state of the battery going? The battery controller from Dometic can provide an exact analysis at any time. Voltage, current and temperature are identified by a battery sensor. The system calculates the available and dischargeable capacity as

well as the charge status, and displays the remaining charging or discharging time. All values are shown on the easy-to-read, self-explanatory display.



DOMETIC MPC 01

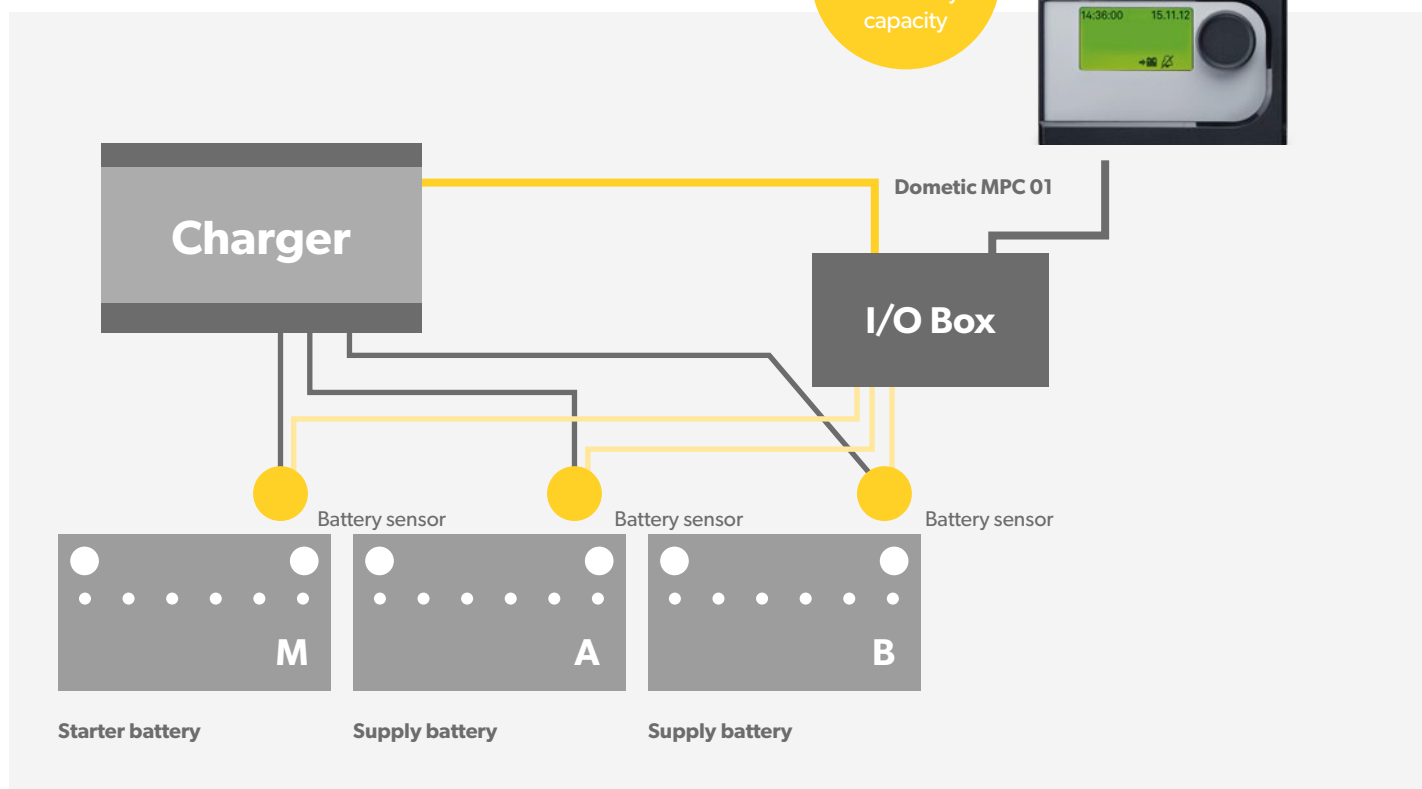
Battery management system with display and battery sensor

- Offers users full control over their batteries
- Easy to use control panel displays all important battery parameters
- Battery low warning prevents unexpected power problems
- Can be upgraded with three additional battery sensors
- CIS bus interface for integration in complex power management systems
- The ideal add-on for Dometic PerfectCharge battery chargers

Ref. No. 9102500073

INFORMATION AND OPERATING PANEL

The pleasingly self-explanatory display of the Dometic MPC 01 ensures all information on the status of up to four batteries can be called up any time. The various menus can be displayed by turning the rotary push button. The menu displayed can be accessed at the touch of the button, allowing parameters to be changed.



MOBILE 12-VOLT BATTERY CHARGERS

Speed and accuracy are the hallmarks of the new 12-volt premium chargers in the Dometic PerfectCharge MCP series. Designed for convenient one-button operation, they feature a controlled microprocessor, 8-step charging curve that even gives all kinds of lead acid batteries the optimal maintenance and charge. A practical wall cradle holding the charger, the cables and up to four battery

indicators keeps the compact gadgets ready to hand. The delivery kit also includes a 12-volt cable which can be used to recharge flagging batteries from the cigarette lighter socket.

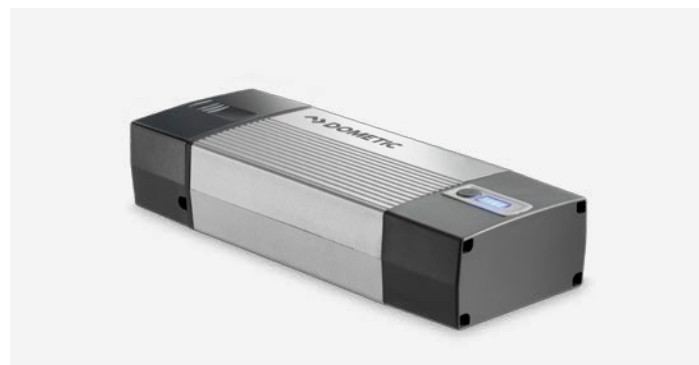


DOMETIC PERFECTCHARGE MCP 1204

Battery charger, 4 A, 12 V

- Suitable for start-stop batteries – microprocessor controlled, 8-step charging technology
- Automatically adapts to the battery's charging condition
- Simple one-button operation

Ref. No. 9600000026
UK 9600000189



DOMETIC PERFECTCHARGE MCP 1207

Battery charger, 7 A, 12 V

- Suitable for start-stop batteries – microprocessor controlled, 8-step charging technology
- Automatically adapts to the battery's charging condition
- Simple one-button operation

Ref. No. 9600000027
UK 9600000190



DOMETIC PERFECTCHARGE MCP-WB

Wall bracket for MCP battery chargers

- Specially designed for Dometic PerfectCharge MCP series chargers
- Keeps the charger ready to hand
- Also holds the three connection cables and up to four battery indicators

Ref. No. 9102500079



DOMETIC PERFECTCHARGE BI 01

Battery indicator for MCP 1204 and MCP 1207

- Specially designed for Dometic PerfectCharge MCP series chargers
- Simple one-button operation
- Also suitable as a mobile tool – e.g. to check the batteries of seasonal vehicles

Ref. No. 9600000094

OPTIONAL BATTERY INDICATOR

Indispensable for a quick battery check: the compact battery indicator Dometic PerfectCharge BI 01 is also designed for one-button operation. It has a dedicated input for the Dometic battery chargers MCP 1204 and MCP 1207. Four LEDs indicate the charging condition of the connected lead acid battery in 25 % steps. The indicator can be permanently fitted in the vehicle or used as a mobile tool, e.g. to check the batteries of exhibition vehicles or seasonal vehicles.



DOMETIC PERFECTBATTERY BR 12

Battery refresher, 12 V

- Gives batteries a longer life
- Reduces sulphate build-up
- Prevents cold start problems

Ref. No. 9600000093



DOMETIC PERFECTBATTERY BC 100

Battery conditioner, 12 V

- Keeps 12 V batteries in prime condition
- Ideal for seasonal vehicles such as motorbikes, campers, boats and vintage cars
- All-in-one battery charger and conditioner

Ref. No. 9600000092

MATURE IUOU CHARGING TECHNOLOGY

A model of success, featured in our product range for years. The reasonably priced PerfectCharge IUOU compact charger was designed for charging leisure batteries of up to 100 Ah. This makes it suitable for the battery in the aid of manoeuvring for example. With its large input voltage range, the charger effortlessly compensates for power fluctuations. Advanced switch-mode technology ensures high energy efficiency.

- Modified IUOU characteristics optimised for charging wet, gel and AGM batteries
- Prevents battery overcharging by limiting time of the U0 phase
- Fast charging despite mains fluctuations
- Can also be used as a mains supply unit



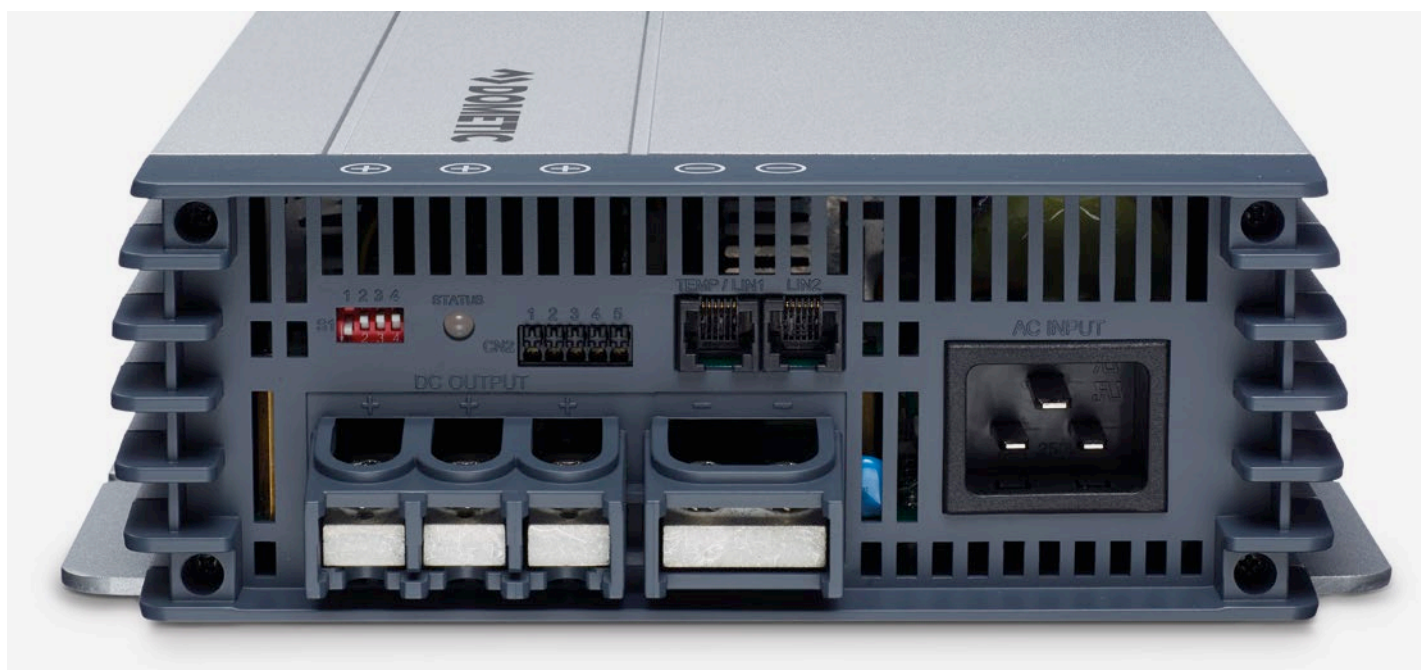
DOMETIC PERFECTCHARGE IU 812

IUOU charger for 12 V wet, gel and AGM batteries

This well proven battery charger has featured in our product range for many years. Designed for charging leisure batteries of up to 100 Ah, it will also keep the battery of your caravan mover in good shape. Reliable switch-mode technology ensures high energy efficiency.

- For batteries up to 100 Ah, such as a caravan mover
- Fast and gentle charging despite mains fluctuations
- Can also be used as a mains supply unit

Ref. No. 9600000037



IU0U CHARGERS BY DOMETIC ... GIVE YOUR BATTERIES A LONGER LIFE!

Faster full-capacity charging times – faster installation – favourable price: the PerfectCharge IU0U chargers from Dometic offer a complete line-up of compelling features. They're suitable for all lead-acid batteries and deliver especially gentle and – thanks to a 6-stage charging characteristic – especially fast charging times. A CI BUS interface also turns the chargers into genuine "networkers" that can be integrated perfectly into existing CI BUS systems as needed. With their surprisingly lightweight and compact design, the devices offer problem-free installation even in restricted spaces.

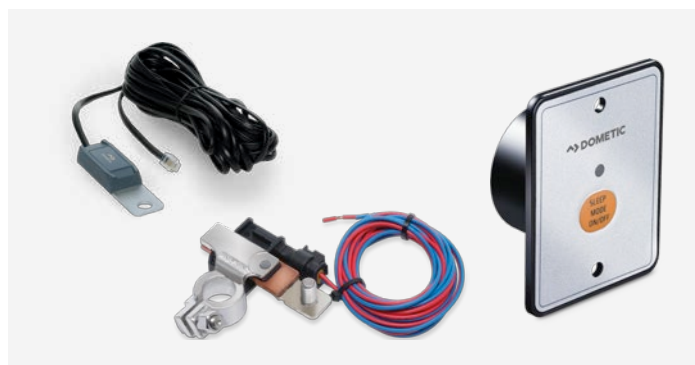
ACCESSORIES FOR PERFECTCHARGE

Enhance your Dometic PerfectCharge IU0U battery charger with customised accessory solutions and benefit from the perfection of your charging technology!

Temperature sensor MCA-TS1 / Ref. No. 9600000099

Hella Sensor MCA-HS1 for 12 V / Ref. No. 9600000101

Remote control MCA-RC1 / Ref. No. 9600000100

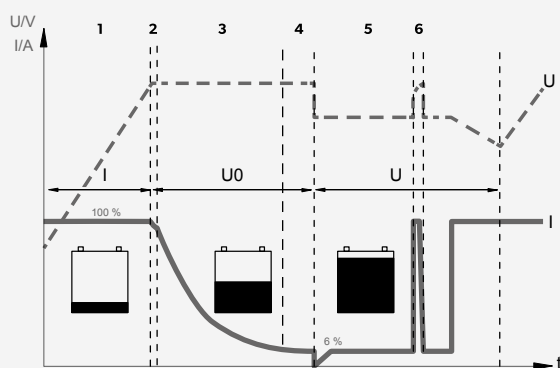


COMPACT, LIGHTWEIGHT, FAST TO INSTALL

Starter batteries and supply batteries are designed for different tasks. To start the engine, starter batteries must initially supply a high current level and will then serve as an energy buffer with smaller partial cycles. Supply or on-board batteries, in contrast, are discharged at lower current levels over longer periods of time and then charged again. This means they are subjected to considerably higher loads. These special features must be factored into the

charging technology to protect the batteries from damage and ensure they have a long service life. The IU0U battery chargers from Dometic PerfectCharge function using a unique six-stage charging cycle. They provide optimum charging for all gel, AGM and wet batteries, because they charge quickly and gently at the same time.

IU0U CHARGING CHARACTERISTICS



6-STAGE IU0U CHARGING CHARACTERISTICS

- 1 I-phase: The discharged battery is charged with constant current until the battery voltage reaches the charge voltage.
- 2 – 4 U0-phase: 3-stage absorption charging phase with constant voltage (U_0). The battery charge is determined within the first two minutes, after which the main charging phase follows. This ends when the battery is fully charged or the charge current is less than 6 % of the nominal charging current for 15 mins.
- 5 U-phase: The charger switches over to float charging.
- 6 Conditioning: Every 12 days, the charger switches back into phase I to revitalise the battery and prevent sulphation.



CHARGING OF 1 BATTERY + STARTER BATTERY

DOMETIC PERFECTCHARGE MCA 1215

IU0U battery charger, 15 A, 12 V

- Gentle charging of 12 V batteries with optimised 6-stage IU0U charging technology
- Simultaneous charging of one battery plus the starter battery
- Very compact design, lightweight and easy to install

Ref. No. 9600000028
 UK 9600000179

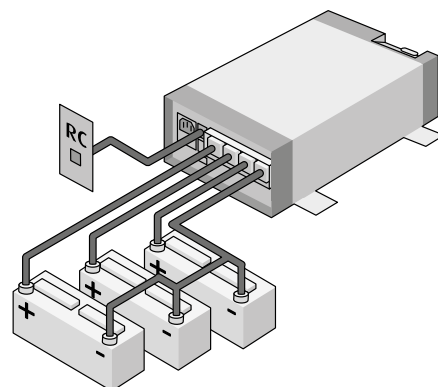
CHARGING OF 2 BATTERIES + STARTER BATTERY

DOMETIC PERFECTCHARGE MCA 1225

IU0U battery charger, 25 A, 12 V

- Gentle charging of 12 V batteries with optimised 6-stage IU0U charging technology
- Simultaneous charging of 2 batteries + starter battery
- Very compact design, lightweight and easy to install

Ref. No. 9600000029
 UK 9600000180





CHARGING OF 2 BATTERIES + STARTER BATTERY

DOMETIC PERFECTCHARGE MCA 1235

IUOU battery charger, 35 A, 12 V

- Gentle charging of 12 V batteries with optimised 6-stage IUOU charging technology
- Simultaneous charging of 2 batteries + starter battery
- Very compact design, lightweight and easy to install

Ref. No. 9600000030
UK 96000000181



CHARGING OF 3 BATTERIES

DOMETIC PERFECTCHARGE MCA 1250

IUOU battery charger, 50 A, 12 V

- Gentle charging of 12 V batteries with optimised 6-stage IUOU charging technology
- Simultaneous charging of 3 batteries + starter battery
- Very compact design, lightweight and easy to install

Ref. No. 9600000031
UK 96000000182



CHARGING OF 3 BATTERIES

DOMETIC PERFECTCHARGE MCA 1280

IUOU battery charger, 80 A, 12 V

- Gentle charging of 12 V batteries with optimised 6-stage IUOU charging technology
- Simultaneous charging of 3 batteries
- Very compact design, lightweight and easy to install

Ref. No. 9600000032
UK 96000000183



CHARGING OF 2 BATTERIES

DOMETIC PERFECTCHARGE MCA 2415

IUOU battery charger, 15 A, 24 V

- Gentle charging of 24 V batteries with optimised 6-stage IUOU charging technology
- Simultaneous charging of 2 batteries
- Very compact design, lightweight and easy to install

Ref. No. 9600000033
UK 96000000184



CHARGING OF 3 BATTERIES

DOMETIC PERFECTCHARGE MCA 2425

IUOU battery charger, 25 A, 24 V

- Gentle charging of 24 V batteries with optimised 6-stage IUOU charging technology
- Simultaneous charging of 3 batteries
- Very compact design, lightweight and easy to install

Ref. No. 9600000034
UK 96000000185



CHARGING OF 3 BATTERIES

DOMETIC PERFECTCHARGE MCA 2440

IUOU battery charger, 40 A, 24 V

- Gentle charging of 24 V batteries with optimised 6-stage IUOU charging technology
- Simultaneous charging of 3 batteries
- Very compact design, lightweight and easy to install

Ref. No. 9600000035
UK 96000000186

PERFECTPOWER DCC POWER TO DEPEND ON

PerfectPower DCC charging converters make sure your battery will always get an optimal charge during the cruise. They create a stable output voltage that is also fine for sensitive electronic devices. Based on state-of-the-art IUOU charging technology, the charging converters smoothly adjust to all commonly used types of batteries.

With smart
charging
characteristics!



**PERFECT BATTERY CHARGING
DURING THE CRUISE**

**STABLE OUTPUT VOLTAGE –
IDEAL FOR SENSITIVE DEVICES**

**EASY TO ADJUST TO
MOST BATTERY TYPES**



or



OPTIMAL BATTERY CHARGING DURING THE CRUISE

The new charging converters in the PerfectPower DCC series make sure that the leisure battery of your boat is optimally charged during the journey. Generating a stable output voltage, they can be used as a power source for sensitive appliances. The charging converters can also serve as a voltage booster in installations with too small a cable cross section. Some models will simply be applied for the "classic task" of converting 12 volts into 24 volts, or vice versa.

- Reliable charging of the leisure battery during the cruise
- IU0U charging characteristics – can be set for all commonly used types of batteries
- Also suitable as a power source, voltage booster or DC/DC voltage converter
- Temperature compensated charging with optional temperature sensor (MCA-TS1)



NEW! **DOMETIC** **PERFECTPOWER DCC**

Charging converters

- Leisure battery is perfectly charged during the cruise
- Stable output voltage – suitable for sensitive devices
- Can also be used as a voltage booster or converter (depending on the model)

12 V › 12 V (10 A) / DCC 1212-10
Ref. No. 9600003753

12 V › 12 V (20 A) / DCC 1212-20
Ref. No. 9600003754

12 V › 12 V (40 A) / DCC 1212-40
Ref. No. 9600003755

24 V › 12 V (20 A) / DCC 2412-20
Ref. No. 9600003750

24 V › 12 V (40 A) / DCC 2412-40
Ref. No. 9600003751

12 V › 24 V (10 A) / DCC 1224-10
Ref. No. 9600003748

12 V › 24 V (20 A) / DCC 1224-20
Ref. No. 9600003749

24 V › 24 V (10 A) / DCC 2424-10
Ref. No. 9600003752

INVERTERS WITH MODIFIED SINE WAVE VOLTAGE

High product quality, a distinctive look, top technology, numerous comfort features: the Dometic PerfectPower series inverters provide everything a premium appliance should. The units up to 550 watts are particularly light and compact. They turn 12- or 24-volt battery voltage into a sine-wave-like 230-volt AC, which is fully adequate for a multitude of applications. Installation is quick and easy. Adjustable clip-on mounts allow for perfect adaptation to individual needs. For those looking for extra comfort and prefer activating their inverter from the dashboard, there is an additional outlet for an external switch.

- Also suitable for appliances with PFC control
- Reverse pole protection by exchangeable fuses
- Can be switched on/off by external switch
- Individually adjustable clip-on mounts
- 12- or 24-volt cigarette lighter plug (PerfectPower PP 152 / PP 154)



DOMETIC PERFECTPOWER PP 152 / PP 154

- Continuous output: 150 watts
- Peak output: 350 watts
- 12 or 24 volt cigarette lighter plug

PP 152 / 12 V / Ref. No. 9600000016

UK 9600000325

PP 154 / 24 V / Ref. No. 9600000017

UK 9600000326



DOMETIC PERFECTPOWER PP 402 / PP 404

- Continuous output: 350 watts
- Peak output: 700 watts

PP 402 / 12 V / Ref. No. 9600000018

UK 9600000327

PP 404 / 24 V / Ref. No. 9600000019

UK 9600000328



DOMETIC PERFECTPOWER PP 602 / PP 604

- Continuous output: 550 watts
- Peak output: 1100 watts

PP 602 / 12 V / Ref. No. 9600000020

UK 9600000329

PP 604 / 24 V / Ref. No. 9600000021

UK 9600000330



SAFETY UNDER CONTROL

Earthed socket for extra safety and LEDs indicating the operating status



FLEXIBLE MOUNTING AID

The individually adjustable clip-on feet allow for different installations.



DOUBLE SWITCH OPTIONS

On/off switch and outlet for an external on/off switch

HIGH-PERFORMANCE INVERTERS WITH MODIFIED SINE WAVE VOLTAGE

Microwave ovens, toasters and vacuum cleaners are real “power burners”. On-board operation is no problem however with a high-performance inverter from the Dometic PerfectPower series. The 1000- or 2000-watt models generate a sine-wave-like 230-volt alternating voltage for particularly powerful appliances. User benefits add up to an all-round treat including perfect design, premium quality, and a variety of extras for enhanced comfort.

Just take the mains priority circuit, designed to switch over to mains power as soon as it is available. Or the soft-start function, which ensures gentle starting even for powerful appliances. Cable organisers, exhaust air adapter, outputs for remote control and external ON/OFF switch, adjustable mounts, mounting plate – nothing has been left to chance!

With Mains
Priority Switch



DOMETIC PERFECTPOWER PP 1002 / PP 1004

- Continuous output: 1000 watts
- Peak output: 2000 watts

PP 1002 / 12 V / Ref. No. 9600000022
UK 96000000246
PP 1004 / 24 V / Ref. No. 9600000023
UK 96000000247

With Mains
Priority Switch



DOMETIC PERFECTPOWER PP 2002 / PP 2004

- Continuous output: 2000 watts
- Peak output: 4000 watts

PP 2002 / 12 V / Ref. No. 9600000024
UK 96000000248
PP 2004 / 24 V / Ref. No. 9600000025
UK 96000000249



REMOTE CONTROL MCR-9

- W x H x D: 58 x 72 x 28 mm
- Weight: 40 g
- Cable length: 7.5 m

Ref. No. 9600000091



DOMETIC POCKETPOWER SI 102

Mini inverter

Re-charge your batteries while you're on the road! This competitively priced mini inverter is ideal for low-power electric devices up to 100 W. Its energy comes from the 12 V battery of your car, van or motorhome.

- For mobile use of low-power devices
- 230 V in the car
- Lightweight and compact design

Ref. No. 9600000036

SINEPOWER DSP / DSP-T PURE SINE WAVE VOLTAGE – CONVENIENT AND SAFE

The new sine wave inverters in the SinePower DSP and DSP-T series generate a pure sine wave voltage, which is perfect even for sensitive 230-volt devices. Moreover, they are fitted with smart protection circuits for safe operation. In case of overload, overheating, over- or under-voltage, the clever inverters switch off automatically – and on again when everything's okay again. The integrated fan smoothly adjusts to the load and temperature conditions, which makes it pleasantly quiet.

The premium inverters in the SinePower DSP-T series offer two extra benefits: a mains priority circuit with voltage synchronisation and an energy-saving Smart Standby Mode.

NEW
inverter
generation!



**PURE SINE WAVE VOLTAGE –
FINE FOR SENSITIVE DEVICES**

**ENERGY-SAVING STANDBY MODE
(MODELS FROM 600 WATTS)**

**DSP-T SERIES WITH
MAINS PRIORITY CIRCUIT**

PERFECTPOWER VERSUS SINEPOWER MODIFIED OR PURE SINE WAVE VOLTAGE

PerfectPower and SinePower inverters have one thing in common: They turn 12 or 24 V DC from the vehicle battery into 230 V AC. The difference is in the quality of the output voltage. PerfectPower inverters generate a modified sine wave voltage, which is fully adequate for robust devices like filter coffee machines, toasters, or vacuum cleaners. Sensitive electronic devices require a pure sine wave voltage. So, if you want to run your laptop or espresso machine on the move, opt for a SinePower inverter!



OUR TIP

SinePower DSP-T inverters with mains priority circuit and voltage synchronisation. Combined with our new comfort remote control, SinePower DSP-EM, these premium inverters give you the ultimate convenience and independence.

Pure sine wave voltage

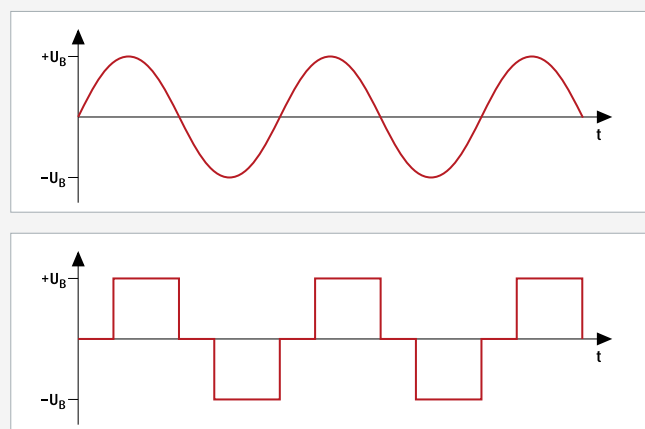
A clean sine wave voltage, like that from a home power socket. Ideal for electric toothbrushes, laptops, DVD players, espresso machines and other sensitive devices.

- Dometic SinePower DSP/DSP-T (p. 95 – 99)

Modified sine wave voltage

An output voltage with a stepped curve simulating a sine wave. Fine for less sensitive devices like filter coffee machines, reading lamps, toasters, vacuum cleaners.

- Dometic PerfectPower (p. 92 – 93)



DOMETIC SINEPOWER DSP 212 / DSP 224

Sine wave inverter

- Compact, portable, inexpensive
- Continuous output: 150 watts
- Peak output: 300 watts

DSP 212 / 12 V

Ref. No. 9600002603 / UK 9600003593

DSP 224 / 24 V

Ref. No. 9600002540 / UK 9600003594



DOMETIC SINEPOWER DSP 412 / DSP 424

Sine wave inverter

- Compact, portable, inexpensive
- Continuous output: 350 watts
- Peak output: 700 watts

DSP 412 / 12 V

Ref. No. 9600002541 / UK 9600003595

DSP 424 / 24 V

Ref. No. 9600002542 / UK 9600003596





DOMETIC SINEPOWER DSP 612 / DSP 624

Sine wave inverter

- Designed for permanent installation
- Continuous output: 600 watts
- Peak output: 1200 watts
- Energy-saving standby mode
- Remote control included

DSP 612 / 12 V

Ref. No. 9600002543 / UK 9600003597

DSP 624 / 24 V

Ref. No. 9600002544 / UK 9600003598



DOMETIC SINEPOWER DSP 1012 / DSP 1024

Sine wave inverter

- Designed for permanent installation
- Continuous output: 1000 watts
- Peak output: 2000 watts
- Energy-saving standby mode
- Remote control included

DSP 1012 / 12 V

Ref. No. 9600002545 / UK 9600003599

DSP 1024 / 24 V

Ref. No. 9600002546 / UK 9600003600



DOMETIC SINEPOWER DSP 1512 / DSP 1524

Sine wave inverter

- Designed for permanent installation
- Continuous output: 1500 watts
- Peak output: 3000 watts
- Energy-saving standby mode
- Remote control included

DSP 1512 / 12 V

Ref. No. 9600002547 / UK 9600003601

DSP 1524 / 24 V

Ref. No. 9600002548 / UK 9600003602



DOMETIC SINEPOWER DSP 2012 / DSP 2024

Sine wave inverter

- Designed for permanent installation
- Continuous output: 2000 watts
- Peak output: 4000 watts
- Energy-saving standby mode
- Remote control included

DSP 2012 / 12 V

Ref. No. 9600002549 / UK 9600003603

DSP 2024 / 24 V

Ref. No. 9600002550 / UK 9600003604



REMOTE CONTROL FOR DSP SINE WAVE INVERTERS

Designed for convenient operation of Dometic SinePower DSP sine wave inverters, this elegant remote control supports all important basic functions (ON, OFF, Standby). It is included as standard with all DSP models with a power rating of 600 watts or higher.

SINEPOWER DSP-T

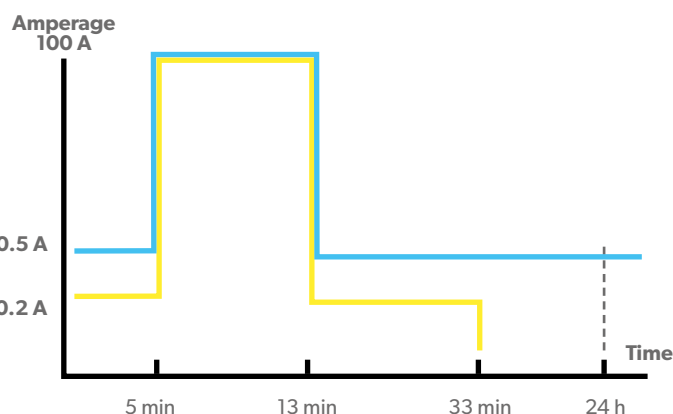
PURE SINE WAVE VOLTAGE – CONVENIENT AND SAFE

The new SinePower DSP-T sine wave inverters provide all the benefits of the DSP series. Additionally, the integrated mains priority circuit with voltage synchronisation ensures a smooth switch-over from battery power to mains power as soon as your boat is connected to an external mains hook-up. Another highlight of the SinePower DSP-T series is the energy-saving Smart Standby Mode, which can be configured as required. The best way to do this is by using the comfort remote control DSP-EM. It is available as an optional accessory.



ENERGY-SAVING SMART STANDBY MODE

SinePower DSP-T sine wave inverters automatically change into the energy-saving Smart Standby Mode, if no (or only very little) power is consumed. You can easily preset when you want your inverter to “wake up” again – already for smaller loads such as mobile phones or the control electronics of your Nespresso machine, or not until larger loads come on, such as a water kettle or a hairdryer. If you activate the battery protection mode, the inverter will switch off automatically after having been in standby for some time. This prevents unnecessary battery discharging.



Power Consumption

- DSP-T inverter with Smart Standby, about 17 Ah
- Conventional inverter without Smart Standby, about 30 Ah

0 – 5 min: Inverter in standby mode

5 min: 1000 W electricity consumer is switched on

13 min: Electricity consumer is switched off

33 min: After 20 min standby the DSP-T inverter is switched off automatically



DOMETIC SINEPOWER DSP-RCT

Remote control for DSP-T inverters

- Convenient remote control of the most important functions: ON, OFF or standby mode
- Easy operation at the touch of a button
- Charger operation by remote control

Ref. No. 9600002564



DOMETIC SINEPOWER DSP 1312T / DSP 1324T

Sine wave inverter

- Continuous output: 1300 watts
- Peak output: 2400 watts

DSP 1312T / 12 V /

Ref. No. 9600002551 / UK 9600005002

DSP 1324T / 24 V /

Ref. No. 9600002552 / UK 9600005003



DOMETIC SINEPOWER DSP 1812T / DSP 1824T

Sine wave inverter

- Continuous output: 1800 watts
- Peak output: 3200 watts

DSP 1812T / 12 V /

Ref. No. 9600002553 / UK 9600005004

DSP 1824T / 24 V /

Ref. No. 9600002554 / UK 9600005005



DOMETIC SINEPOWER DSP 2312T / DSP 2324T

Sine wave inverter

- Continuous output: 2300 watts
- Peak output: 4000 watts

DSP 2312T / 12 V /

Ref. No. 9600002555 / UK 9600005006

DSP 2324T / 24 V /

Ref. No. 9600002556 / UK 9600005007



DOMETIC SINEPOWER DSP 3512T / DSP 3524T

Sine wave inverter

- Continuous output: 3500 watts
- Peak output: 6000 watts

DSP 3512T / 12 V /

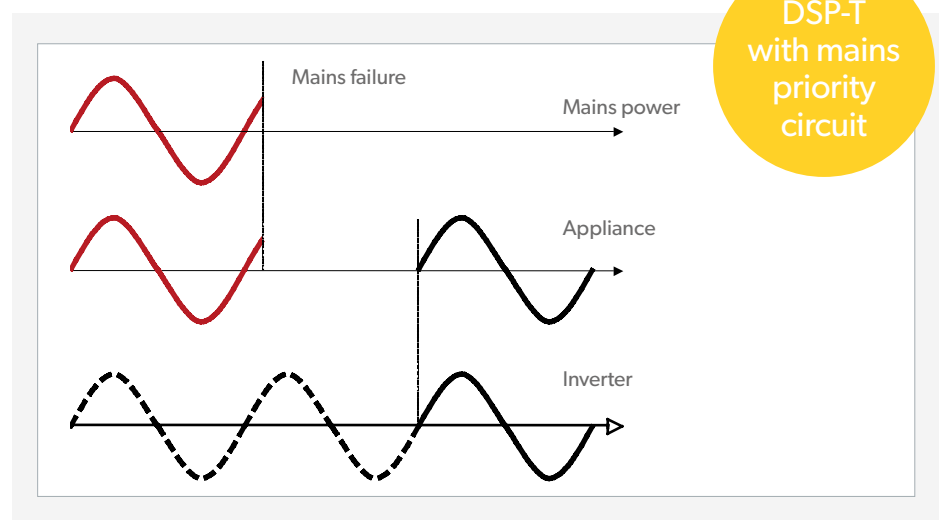
Ref. No. 9600002557 / UK 9600005008

DSP 3524T / 24 V /

Ref. No. 9600002558 / UK 9600005009

MAINS PRIORITY CIRCUIT WITH VOLTAGE SYNCHRONISATION

This automatically gives priority to mains power as soon as it is available, it is integrated as standard in all SinePower DSP-T series sine wave inverters. The reason behind is that many 230-volt devices require an uninterrupted power supply. Moreover, it is vital to ensure a "smooth" voltage switchover. This is exactly what SinePower DSP-T sine wave inverters provide. In these units, the inverter voltage is synchronised to match the mains voltage, and the switchover takes place in a fraction of a second.



SINEPOWER DSP-EM

COMFORT REMOTE CONTROL FOR DSP-T INVERTERS

With this versatile remote control you will get the most out of your SinePower DSP-T sine wave inverter. It controls all basic functions (ON, OFF, Smart Standby Mode), indicates important operating parameters, and it can be configured and upgraded as and when required. If you connect a battery sensor (optional accessory), the remote control evolves into an intelligent energy monitor, which

gives you full control over the charging state of your batteries at all times. You can also use the comfort remote control to configure your MCA battery charger, or switch it into the noiseless night mode at the touch of a button.

Optional
extra for
DSP-T
inverters



DOMETIC SINEPOWER DSP-EM

Comfort remote control

- Optional accessory for SinePower DSP-T inverters
- Basic functions: ON, OFF, Smart Standby Mode
- Indicates important operating parameters
- Can be customised for individual needs
- Serves as an energy monitor when upgraded with a battery sensor
- Also suitable for controlling an MCA battery charger

Ref. No. 9600002565

ENERGY MANAGEMENT AT ITS BEST

Dometic's new generation of electronics accessories opens up many upgrading options for ultimate comfort and convenience. All components are perfectly coordinated and can be combined as required. The display of the remote control panel gives you an excellent overview of the charging state of the battery and the current energy consumption. Moreover, the battery is reliably protected against deep-discharging, overcharging and overheating – so it will live longer and will always be able to supply your comfort devices. Good to know for those who want to use the new devices in their

cars or camper vehicles: The new charging converters and sine wave inverters solve many problems associated with the energy-saving configuration of smart alternators in modern EURO 6 vehicles. That means, the leisure battery is optimally charged during the journey to guarantee full independence in terms of energy supply.


POSSIBLE COMBINATION OPTION






DSP-T SINE WAVE INVERTER + DSP-EM REMOTE CONTROL PANEL + DCC VOLTAGE BOOSTER + HELLA SENSOR



Fully independent power supply throughout the journey – even for power eaters like hairdryers and espresso machines. Keep the power consumption and the battery charge in view at all times. Enjoy the





comfort in complete peace of mind knowing that your battery is well charged and well protected, and there's always enough power to run your fridge, too.















TECHNICAL DATA		
	MCP 1204	MCP 1207
BATTERY CHARGERS		
Ref. No.	9600000026	9600000027
Ref. No. UK	9600000189	9600000190
Charge outputs	1 (very flexible thanks to plug connector)	
Charging characteristic	8 step	
Input voltage (V)	230 (180 – 253)	
Charging current max. (A)	4	7
Recommended battery capacity (Ah)	Charging: 7 – 110 / maintenance charging: 7 – 180	Charging: 15 – 160 / maintenance charging: 15 – 250
Dimensions (W x H x D, mm)	90 x 55 x 220	90 x 55 x 250
Weight (kg)	0.5	0.7
/ Optional extras		
Battery indicator BI 01	9600000094	9600000094
Wall cradle	9102500079	9102500079

TECHNICAL DATA					
IUOU-AUTOMATIC CHARGERS	MCA 1215	MCA 1225	MCA 1235	MCA 1250	MCA 1280
Ref. No.	9600000028	9600000029	9600000030	9600000031	9600000032
Ref. No. UK	9600000179	9600000180	9600000181	9600000182	9600000183
Charge outputs	1 + 1	2 + 1	2 + 1	3	3
Input voltage (V)	90 – 260				
Frequency (Hz)	50 – 60				
End-of-charging voltage (V)	14.4 / 14.7				
Float charging voltage (V)	13.8				
Recommended battery capacity (Ah)	40 – 170	75 – 300	100 – 400	150 – 600	200 – 800
Max. battery capacity (Ah)	–	–	–	–	–
U0 phase limited at (h)	8				
Energy efficiency up to (%)	92				
Charging current (A)	15	25	35	50	80
Charging characteristics	–	–	–	–	–
Operating temperature (°C)	–20 to +50				
Dimensions (W x H x D, mm)	179 x 63 x 238	179 x 63 x 238	179 x 63 x 274	208.5 x 75 x 283	208.5 x 75 x 303
Weight (kg)	1.6	1.7	1.9	3.1	4
6-stage charging characteristics	●	●	●	●	●
Overload/short-circuit protection	●	●	●	●	●
Can be used as mains supply unit	–	–	–	–	–
Sleep mode	Using the remote control or dip switch on the device				
Battery types	Lead-acid batteries (liquid, gel, AGM)				
Type of protection	equivalent to IP 21				
/ Optional extras					
Temperature sensor MCA-TS1	9600000099	9600000099	9600000099	9600000099	9600000099
Remote control MCA-RC1	9600000100	9600000100	9600000100	9600000100	9600000100
Controller MPC 01	9102500073	9102500073	9102500073	9102500073	9102500073
Hella sensor MCA-HS1	9600000101	9600000101	9600000101	9600000101	9600000101

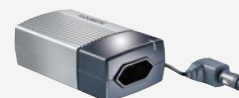
TECHNICAL DATA		
BATTERY CARE	BC 100	BR 12
Ref. No.	9600000092	9600000093
Input voltage (V AC)	230 (180 – 253 V)	12
Cut-in voltage (V)	-	> 12.6 ± 0.2
End-of-charging voltage (V DC)	13.8	-
Maximum charging current (A)	1.0	-
Stand-by current (mA)	-	< 0.2
Dimensions (W x H x D, mm)	70 x 100 x 60	100 x 67 x 25
Weight (approx. kg)	0.45	0.12

			
MCA 2415	MCA 2425	MCA 2440	IU 812
9600000033	9600000034	9600000035	9600000037
9600000184	9600000185	9600000186	
2	3	3	1
	90 – 260		230 (180 – 253)
	50 – 60		50 – 60
	28.8 / 29.4		14.4
	27.6		13.6
40 – 170	75 – 300	100 – 400	–
–	–	–	100
	8		–
	92		–
12.5	25	40	8
–	–	–	IUOU with limit time of the IU0 phase
	–20 to +50		0 to +50
179 x 63 x 238	208.5 x 75 x 283	208.5 x 75 x 303	120 x 70 x 200
1.6	2.9	3.9	0.9
•	•	•	–
•	•	•	•
–	–	–	•
Using the remote control or dip switch on the device			–
Lead-acid batteries (liquid, gel, AGM)			–
equivalent to IP 21			–
9600000099	9600000099	9600000099	–
9600000100	9600000100	9600000100	–
–	–	–	–
–	–	–	–

TECHNICAL DATA								
DC CHARGING CONVERTERS	DCC 1212-10	DCC 1212-20	DCC 1212-40	DCC 2412-20	DCC 2412-40	DCC 1224-10	DCC 1224-20	DCC 2424-10
Ref. No.	9600003753	9600003754	9600003755	9600003750	9600003751	9600003748	9600003749	9600003752
Input voltage (V)	12 (8 – 16)	12 (8 – 16)	12 (8 – 16)	24 (16 – 32)	24 (16 – 32)	12 (8 – 16)	12 (8 – 16)	24 (16 – 32)
Output voltage (V)	12 (13.2 – 14.7)	12 (13.2 – 14.7)	12 (13.2 – 14.7)	12 (13.2 – 14.7)	12 (13.2 – 14.7)	24 (26.4 – 29.4)	24 (26.4 – 29.4)	24 (26.4 – 29.4)
Output voltage shape	3-stage charging characteristic or fixed value							
Charging current (A)	10	20	40	20	40	10	20	10
Battery types	Lead-acid batteries (liquid, gel, AGM) Dometic eStore lithium battery							
Energy efficiency up to (%)	89 %	89 %	89 %	89 %	89 %	89 %	89 %	89 %
Dimensions (W x H x D, mm)	153 x 73 x 180	153 x 73 x 220	153 x 73 x 260	153 x 73 x 220	153 x 73 x 260	153 x 73 x 220	153 x 73 x 260	153 x 73 x 220
Weight (kg)	1.25	1.55	1.85	1.55	1.85	1.55	1.85	1.55
Test mark	e-certified (Automotive EMC Directive)							
/ Optional extras								
Temperature sensor MCA-TS1	9600000099	9600000099	9600000099	9600000099	9600000099	9600000099	9600000099	9600000099

TECHNICAL DATA			
INVERTERS	PP 152 / PP 154	PP 402 / PP 404	PP 602 / PP 604
Ref. No.	9600000016 / 9600000017	9600000018 / 9600000019	9600000020 / 9600000021
Ref. No. UK	9600000325 / 9600000326	9600000327 / 9600000328	9600000329 / 9600000330
Input voltage (V DC)	12 (11 – 15) / 24 (22 – 30)		
Output voltage/curve (V AC)	230 / modified sine wave 		
Output frequency (Hz)	50	50	50
No-load input current (A)	0.25	0.25	0.25
Continuous power (W)	150	350	550
Peak output (W)	350	700	1100
Cooling	Fan, temperature and power controlled		
Energy efficiency up to (%)	90	90	90
Mains priority circuit	–	–	–
Dimensions (W x H x D, mm)	129 x 71 x 177	129 x 71 x 192	129 x 71 x 237
Weight (approx. kg)	0.84	0.99	1.4
Test marks	e-certified (Automotive EMC Directive)		
Type of protection	Equivalent to IP 21		
/ Optional extras			
DC connection cable	–	–	–
Standard remote control MCR-9	–	–	–

3.29 / Dometic PocketPower Smart inverter

**PP1002 / PP1004****PP2002 / PP2004****SI102**

9600000022 / 9600000023

9600000024 / 9600000025



9600000036

9600000246 / 9600000247

9600000248 / 9600000249

12 (11 – 15) / 24 (22 – 30)

12 (11 – 15)

230 / modified sine wave 230 / modified sine wave 

50

50

50

< 0.8

< 1.5

–

1000

2000

100

2000

4000

200

Fan, temperature and power controlled

85

85

90

●

●

–

176 x 95 x 338

176 x 95 x 443

67 x 43 x 125

3.5

5

0.28

e-certified (Automotive EMC Directive)

e-certified (Automotive EMC Directive)

Equivalent to IP 21

–

9600000270






9600000270


–







9600000091

9600000091

–

TECHNICAL DATA				
SINE WAVE INVERTERS	DSP 212 / DSP 224	DSP 412 / DSP 424	DSP 612 / DSP 624	DSP 1012 / DSP 1024
Ref. No.	9600002603 / 9600002540	9600002541 / 9600002542	9600002543 / 9600002544	9600002545 / 9600002546
Ref. No. UK	9600003593 / 9600003594	9600003595 / 9600003596	9600003597 / 9600003598	9600003599 / 9600003600
Input voltage (V DC)	12 (10 – 16,5 V) / 24 (20 – 33 V)			
Output voltage (V AC) / shape	230 / pure sine wave 			
Output frequency (Hz)	50	50	50	50
No-load current input (A)	0.6 / 0.4	0.6 / 0.4	1.1 / 0.6	1.1 / 0.6
Standby current consumption (A)	–	–	0.3 / 0.2	0.35 / 0.2
Continuous output (W)	150	350	600	1000
Peak power (W)	300	700	1200	2000
Energy efficiency up to (%)	90	90	90	90
Dimensions (W x H x D, mm)	127 x 52 x 210	127 x 52 x 210	230 x 80 x 262	230 x 80 x 282
Weight (kg, approx.)	1.1	1.2	2.8	3.1
Integrated mains priority circuit with voltage synchronisation	–	–	–	–
Test mark	e-certified (Automotive EMC Directive)			
Type of protection	equivalent to IP 21			
/ Optional extras				
DC connection cable	Scope of delivery	Scope of delivery	9600000268	9600000268
Standard remote control DSP-RCT	–	–	Scope of delivery	Scope of delivery
Convenience remote control DSP-EM	–	–	–	–
Mains priority circuit VS-230	–	–	9600000324	9600000324

TECHNICAL DATA	
INTELLIGENT BATTERY MANAGEMENT SYSTEM	MPC 01
Ref. No.	9102500073
Dimensions incl. knob (W x H x D, mm)	145 x 122 x 24,5
Input voltage (V DC)	8 – 16
Current consumption	150 mA in display mode, 10 mA in standby mode

					
DSP 1512 / DSP 1524	DSP 2012 / DSP 2024	DSP 1312T / DSP 1324T	DSP 1812T / DSP 1824T	DSP 2312T / DSP 2324T	DSP 3512T / DSP 3524T
9600002547 / 9600002548	9600002549 / 9600002550	9600002551 / 9600002552	9600002553 / 9600002554	9600002555 / 9600002556	9600002557 / 9600002558
9600003601 / 9600003602	9600003603 / 9600003604	9600005002 / 9600005003	9600005004 / 9600005005	9600005006 / 9600005007	9600005008 / 9600005009
12 (10 – 16,5 V) / 24 (20 – 33 V)		12 (10,5 – 16 V) 24 (21 – 32 V)			
230 / pure sine wave 					
50	50	50 / 60	50 / 60	50 / 60	50 / 60
1.5 / 0.8	1.8 / 0.9	2.5 / 1.3	2.5 / 1.3	2.8 / 1.4	3.6 / 1.8
0.4 / 0.25	0.5 / 0.3	0.2 / 0.1	0.2 / 0.1	0.2 / 0.15	0.2 / 0.15
1500	2000	1300*	1800*	2300*	3500*
3000	4000	2400	3200	4000	6000
90	90	90	92	92	92
272 x 97 x 382	272 x 97 x 402	284 x 118 x 405	284 x 118 x 405	284 x 118 x 481	283 x 128.4 x 496
4.9	5.2	4.8	6.1	6.6	10.9
–	–	●	●	●	●
e-certified (Automotive EMC Directive)					
equivalent to IP 21					
12 V: 9102700003 24 V: 9600000268	12 V: 9600000269 24 V: 9600000268	9600000268	12 V: 9102700003 24 V: 9600000268	12 V: 9600000269 24 V: 9600000268	12 V: on request 24 V: 9600000268
Scope of delivery	Scope of delivery	9600002564	9600002564	9600002564	9600002564
–	–	9600002565	9600002565	9600002565	9600002565
9600000324	9600000324	–	–	–	–

* 10 minutes continuous power, unlimited permanent power: 50 % peak power