

CATALOGUE 2024

# ON THE ROAD AGAIN

MAKE YOUR CAB THE ONLY PLACE TO BE ON THE ROAD



 **DOMETIC** **PROFESSIONAL**





# **100 PLUS IDEAS FOR MORE DRIVER COMFORT**

**A truck is more than a workplace on wheels. For many drivers it is their home from home, the place where they live, eat and sleep. So why not make their daily job easier and give them the comforts of home on the road? This is what our Truck Driving Comfort Campaign is all about.**

In this brochure we have put together a collection of new and well proven Dometic products – all designed to give drivers more comfort and more safety during their stops: cooling boxes, microwave ovens and coffee machines for a self-sufficient kitchen, powerful rooftop air conditioners for truly restful breaks, sine wave inverters for running 230 V gadgets on board, and a blind spot assistant system that

relieves the stress in crowded inner-city traffic. And – not forgetting – a cab safe for safe storage of documents and valuables.

## **Upgrade your cab now!**

Our driver comfort brochure is meant as a source of inspiration for drivers and fleet operators alike. Pick what you think useful to customise your cabin, or treat your drivers to a comfort upgrade! We will gladly assist you in putting together the matching driver comfort pack for your truck or fleet.

# MAKE YOUR CAB THE ONLY PLACE TO BE ON THE ROAD

As a trucker, you want to be comfortable. You want to eat well, feel safe and simply have a good drive. No matter if you are on a long-haul job with overnights in the cabin, or doing shorter journeys, some things are a necessity rather than a luxury. Whether it's a fresh cup of coffee, staying cool behind the wheel or enjoying your favourite meal, our in-cab solutions deliver more comfort and safety on the job. When you are on the road, we've got you covered.



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## DOMETIC ON THE WEB

Here's where you can find the complete Dometic range, with detailed information about all products. Plus, interesting facts about our company and download links for all our catalogues.

[dometic.com](http://dometic.com)



# ICE COLD DRINKS EVERYWHERE

COMPRESSOR COOLERS



These remarkably lightweight compressor coolers are as simple to use as a thermoelectric unit. Fitted with a shoulder strap, carrier bar or handles, they can be taken absolutely anywhere. Storage won't ever be a problem either, as the super-slim design means they will fill any niche perfectly. Performance is another plus factor: refrigeration and deep-freezing with minimal power consumption, regardless of the outside temperature. Have your cold drinks and fresh food always with you.



# TWO PERFECT COOLERS TO KEEP IT COOL ON THE ROAD



## Dometic CFF 12

Mobile compressor cooler, 13 l

- 13 l volume fits 20 cans or one 1.5 l bottle
- Energy efficient design provides fast and excellent cooling, even in extremely high outside temperatures
- Temperature is adjustable between +20 °C and -18 °C
- Robust, lightweight and compact design ensures convenient portability
- Flexible cup holder can be removed to access a small storage compartment
- Integrated guide elements for easy fixation inside a vehicle with straps or safety belts
- Shoulder strap and recessed grips for carrying convenience

Ref. No. 9620000798



## Dometic CFF 20

Mobile compressor cooler, 21 l

- 20 l volume to fit up to six standard 1.5 l bottles or 32 cans (330 ml)
- Energy efficient design provides fast and excellent cooling and freezing, even in extremely high outside temperatures
- 12/24 volts DC and 100 – 240 volts AC
- Robust, lightweight and compact design ensures excellent portability
- Single compartment allows either cooling or freezing
- Can be set between +10 °C and -18 °C, with the ability to run at -18 °C at ambient temperatures of up to +32 °C
- Removable lid with easy opening latch for convenient cleaning
- Digital temperature display for convenient setting

Ref. No. 9600028326





# COMPACT DESIGN FOR EASY STORAGE



## Dometic TropiCool TCX 21

Portable thermoelectric cooler, 21 l

- Convenient 12 or 24 V DC and 240 V AC cooler
- Refrigerates down to 27 °C below ambient temperature, heats up to +65 °C
- Active battery protection prevents deep discharge of the vehicle battery
- Very efficient TC special electronics with intelligent power-save circuit
- Reverse polarity protection for hassle-free electrical connections
- Priority circuit for mains operation
- Wear-resistant fan for dynamic interior ventilation
- 2-stage battery protection

Ref. No. 9600013320



## Dometic TropiCool TCX 35

Portable thermoelectric cooler, 33 l

- Convenient 12 or 24 V DC and 240 V AC cooler
- Refrigerates down to 27 °C below ambient temperature, heats up to +65 °C
- Active battery protection prevents deep discharge of the vehicle battery
- Very efficient TC special electronics with intelligent power-save circuit
- Reverse polarity protection for hassle-free electrical connections
- Priority circuit for mains operation
- Wear-resistant fan for dynamic interior ventilation
- 2-stage battery protection

Ref. No. 9600013321





## Dometic CDF2 36

Mobile compressor cooler, 31 l

- Energy efficient design provides fast and excellent cooling and freezing, even in extremely high outside temperatures
- 12/24 volts DC
- Attractive design ensures excellent portability
- New with integrated handles
- Can be set between +10 °C and -15 °C, with the ability to run at -15 °C at ambient temperatures of up to +32 °C
- Removable lid with easy opening latch for convenient cleaning
- Digital and dimmable temperature display for convenient setting
- Safety belt fixation

Ref. No. 9600028780



## COMPACT COOL

With a detachable cooling unit and temperature control this fridge is flexible enough to meet your needs – compact design to make the best of small spaces.



## Dometic CoolMatic

### CD 20 / CD 20S / CD 30 / CD 30S

Compressor drawer fridges, 12 / 24 V DC

- Storage volume: approx. 20 or 30 litres
- 12/24 volts
- Detachable cooling unit (1.5 m supply cable)
- Temperature range: +12 °C to -2 °C
- Dimensions (W x H x D, incl. cooling unit):  
CD 20: 440 x 250 x 564 mm  
CD 30: 440 x 250 x 730 mm

CD 20 (black front) / Ref. No. 9620000721

CD 20S (stainless steel front) / Ref. No. 9620000723

CD 30 (black front) / Ref. No. 9620000726

CD 30S (stainless steel front) / Ref. No. 9620000725



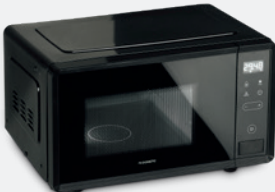
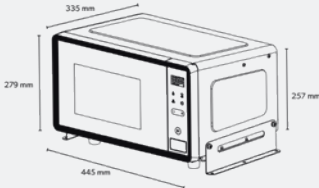


# DINNER IS SERVED

Trucking cargo usually means not always arriving in time or being at the right place to get a wholesome meal. However, when you have the Dometic MWO 24 or MWO 240 microwave built into your

cab, you can enjoy the pleasure of good, healthy food on the road at your convenience.

## Dometic MWO 24

Truck microwave oven with integrated 24 V power supply

   	<b>Voltage</b>	24 V DC
	<b>Capacity</b>	17 litres
	<b>Power consumption</b>	500 W (microwave) / 960 W (battery)
	<b>Colour</b>	black
	<b>Dimensions (W x H x D)</b>	445 x 279 x 335 mm
	<b>Weight (kg)</b>	9.8 kg
	<b>Quality features</b>	<ul style="list-style-type: none"><li>• User-friendly microwave with intuitive design</li><li>• 3 different cooking levels (175 / 270 / 500 W), defrost function</li><li>• Memory button for often used settings</li><li>• Easy to clean, integrated ceramic plate, no moving parts</li><li>• Robust design for the road and with convenient features</li><li>• Safety function: warning beeps for 180 sec. when door is opened and after cooking</li><li>• Approved by leading truck manufacturers</li><li>• LED illuminated cavity</li><li>• Includes two fixing brackets</li></ul>
	<b>Test marks</b>	E-approved (Automotive EMC Directive)
	<b>Scope of delivery</b>	Microwave oven, universal fixing kit
<b>Product</b>		<b>Ref. No</b>
Dometic MWO 24		9600000535
Volvo FH MWO Kit (RAC1518)		9600025536
Volvo FH MY 2020-, FKVO1, LHD		9620000549
Volvo FH MY 2020-, FKVO2, RHD		9620001324
MAN TG3, MY 2021-		9620001023

**EASY INSTALLATION! WATCH THIS VIDEO!**



**PLUG-N-PLAY**  
with 24 V power supply connector



**USER-FRIENDLY CONTROLS**  
with large, easy-to-read digits  
and display symbols



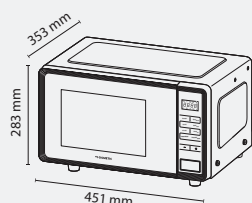
**ADDED CONVENIENCE**  
LED interior light lets you see  
how your food is doing

# ONLY THE BEST IS GOOD ENOUGH

- OEM approved
- Avoid badly wired inverters
- Optimised for mobile application

## Dometic MWO 240

230 V microwave oven



<b>Voltage</b>	230 V, 50 Hz
<b>Capacity</b>	17 litres
<b>Microwave power</b>	700 W
<b>Colour</b>	black
<b>Dimensions (W x H x D)</b>	451 x 283 x 353 mm
<b>Weight</b>	11.5 kg
<b>Quality features</b>	<ul style="list-style-type: none"> <li>• User-friendly microwave with five cooking levels</li> <li>• Defrosting function</li> <li>• Integrated, easy-to-clean ceramic plate</li> <li>• Approved by leading RV manufacturers</li> <li>• Illuminated to easily check on the microwave's contents</li> <li>• Locking system to prevent unwanted opening</li> <li>• LED display and cooking end signal</li> </ul>
<b>Test marks</b>	Intertek GS, NCC approved
<b>Scope of delivery</b>	Microwave oven

Product	Ref. No
Dometic MWO 240	9600028283



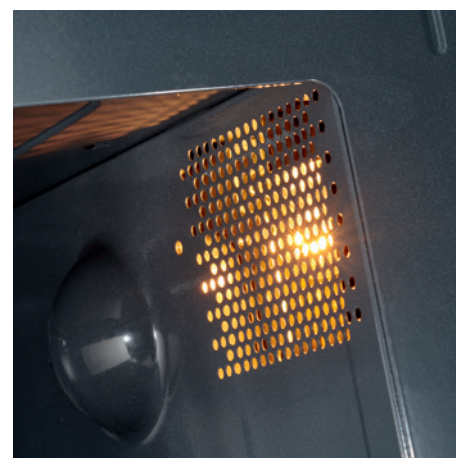
### USER-FRIENDLY

large, easy-to-read digits and display symbols



### INTEGRATED CERAMIC PLATE

easy to clean, no moving parts



### ADDED CONVENIENCE

interior light to see the cooking progress of your food



# ALWAYS COFFEE BY YOUR SIDE

## One or more cups

How could anyone possibly survive without an occasional cup of coffee? The answer is they probably can't – and that's why we provide our Dometic coffee makers to ensure your favourite hot drink

is ready in no time. Ready-to-connect to 12 or 24 volts, space-saving and fail-safe, suitable for wall or desk installation.



### Dometic PerfectCoffee MC 052 / MC 054

This coffee maker, specifically designed for mobile use, makes up to five cups of delicious freshly-brewed coffee at a time.

- Swing filter for easy operation
- Integrated transport securing device for the glass pot
- Fixing kit for wall or desk mounting
- 5 cups per coffee pot
- Warming plate with thermostat

Ref. No. MC 052 - 12 V 9600000340  
MC 054 - 24 V 9600000341



### Dometic PerfectCoffee MC 01

An ideal solution where space is tight or if traveling solo, this compact coffee maker allows the perfect cup of coffee to be brewed one cup at a time.

- Compact coffee maker that brews one cup of coffee at a time
- Short five-minute brewing time
- Automatic switch-off with boil dry protection
- Permanent filter for convenience
- Fixing kit included for mounting onto worktop
- Powered by cigarette lighter socket

Ref. No. 12V 9600000338  
24V 9600000339



# SAFES

## Protect your belongings

Protecting your valuables on the road is critical. Whenever you leave your vehicle unsupervised in its parking space, there is a chance of sneaky thieves trying to take advantage of you and steal your possessions. Dometic truck safes have a high-quality frame, which is coupled with a variety of safety enhancement features to prevent just that. The small size and lightweight body make it the ideal solution for security while traveling to any destination.



### Dometic Safe MD 361C

Safe with automatic locking system, 24 l

- Electronic locking by code entry with 5-minute memory function
- Attractive design with illuminated and easy to read LED display
- Designed to fit laptops inside
- Dimensions: 360 x 190 x 410 mm

Ref. No. 9600025535



### Dometic ProSafe MD 390

Safe

- Room to fit up to 17" laptops
- Master key and master code opening
- Audit trail stores all operations - for your own security and your insurance provider
- LED interior light
- Easy to use and intuitive operation
- Motorised with automatic opening
- Options: Left-handed hinge door opening
- Dimensions: 480 x 200 x 390 mm

Ref. No. 9106601374





# COOLAIR RTX PARKING COOLERS FOR TRUCKS

THE BEST COOLAIR WE'VE EVER MADE



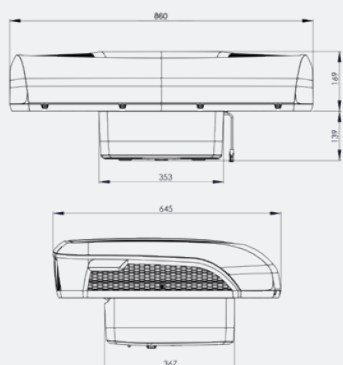
Our customers kept asking us for parking coolers with longer runtimes, and for use in hot climates. This is why we offer the CoolAir RTX generation in two capacity versions. The RTX 1000 with its 1200 watts capacity and up to 12 hours runtime is ideal for moderate (European) temperature zones. CoolAir RTX 2000 is a genuine power pack. Generating a full 2000 watts for up to six hours, it cools down even larger cabins in no time at all.

## Key benefits

- Very quiet running
- All components are integrated in a single housing, this speeds up installation and makes maintenance unnecessary
- 4 operating modes (auto, eco, manual, boost)
- Highly efficient, low power consumption
- Tested in Australia and used at Dakar Rally for years

## Dometic CoolAir RTX 1000 / RTX 2000

Truck parking cooler



Now also  
available as 12 V  
version






	COOLAIR RTX 1000	COOLAIR RTX 2000
Voltage	24 V DC or 12 V DC	24 V DC or 12 V DC
Current consumption	5 – 25 A	5 – 29 A
Cooling capacity acc. to ISO 5151	1.200 W	2.000 W
Contains fluorinated greenhouse gases. Hermetically sealed equipment	R 134a / 0.35 kg CO <sub>2</sub> -Equivalent = 0.500 t	R 134a / 0.8 kg CO <sub>2</sub> -Equivalent = 1.144 t
System	Self-contained and battery operated truck parking cooler to be installed in the existing roof hatch. Hermetically sealed and maintenance free refrigerant circuit with inverter compressor. Adjustable low-voltage cut-out.	
Dimensions (W x H x D)	859 x 308 x 645 mm (height on roof: 169 mm – without gasket)	
Weight	approx. 22.8 kg	approx. 31.5 kg
Colour / Material	Top cover: ASA/PC, white, Base: ASA/PC, anthracite	
Quality features	<ul style="list-style-type: none"><li>• Up to 12 h running time</li><li>• Very quiet running</li><li>• Turbo cooling operating mode for quick cooling</li><li>• All A/C components integrated into roof unit</li><li>• ADR compliant</li><li>• High cooling capacity: 1200 W</li><li>• Highly efficient: only 8 A power consumption in Eco mode</li></ul>	<ul style="list-style-type: none"><li>• Up to 6 h running time</li><li>• Very quiet running</li><li>• Turbo cooling operating mode for quick cooling</li><li>• All A/C components integrated into roof unit</li><li>• ADR compliant</li><li>• High cooling capacity: 2000 W</li><li>• Highly efficient: only 9.5 A power consumption in Eco mode</li></ul>
Test marks	Compliant with ECE regulations (e-Mark)	
Scope of delivery	Parking cooler, remote control, operating manual	
Product	Ref. No.	
Dometic CoolAir RTX 1000 24 V	9600010207	
Dometic CoolAir RTX 2000 24 V	9600010208	
Dometic CoolAir RTX 1000 12V	9620001309	
Dometic CoolAir RTX 2000 12V	9620001310	
/ Accessories 24 V (optional)		
Battery connection cable, 6 mm <sup>2</sup> , 11 m long, for vehicles with power management	9100300108	
Set for electrical circuit protection when the 11 m cable is used	9100300110	
/ Accessory 12 V (required)		
Universal kit 3 for RTX 12 V	9620005397	
Cable kit for RTX 12 V	9620001663	
/ Required accessories: vehicle-specific installation kits RTX 1000/RTX 2000 (with frame, seals, fastening material, connection cable, assembly instructions)		
MB Atego <sup>1,3</sup>	9100300081	
DAF XF105, XF106, DAF CF, Space Cab	9100300078	
MAN TG2 grey	9100300133	
MAN TG2 beige	9100300134	
MAN TG3 beige	9600049613	
Renault T+C, H1	9100300135	
Renault T+C, H2, High Sleeper CAB <sup>4</sup>	9100300136	
MB Actros/Antos/Arocs (SFTP) <sup>1,5</sup>	9100300137	
DAF XF105, XF106, DAF CF, Space Cab	9100300138	
Iveco Stralis Hi-Way <sup>6</sup>	9100300140	
Iveco Stralis HI-STREET, HI-ROAD <sup>6</sup>	9100300141	
Universal 1 (screw fastening)	9100300151	
Universal 2 (bracket fastening)	9100300152	
SCANIA Highline/Topline <sup>2</sup>	9100300154	
SCANIA NG 2017	9100300156	
Ford F-MAX	9620005394	
All installation kits are designed for current vehicle models. More models on request. Please check „preconditions for installation“ document for further installation information. Scope of delivery: cover frame, seals, installation fittings, 4 m connection cable incl. sensing line, installation instructions.		
<sup>1</sup> MAN and MB kits with 11 m connection cable and matching installation material		
<sup>2</sup> For mechanical roof hatch you will additionally require 2 original Scania brackets (Scania item number 1533737) for installation.		
<sup>3</sup> Only for electrical roof hatch, for manual roof hatch use Universal 1		
<sup>4</sup> For Trucks with air deflector, check with Renault for installation options / not for High-Sleeper Cap		
<sup>5</sup> Not for Compact and GigaSpace roof versions		
<sup>6</sup> Check total height of truck, in some configurations (chassis, tyres) the total height including RTX may exceed allowed 4 m.		



# COOLAIR SPX 1200 – THE ALTERNATIVE TO A ROOFTOP PARKING COOLER

## Dometic CoolAir SPX 1200C / 1200T

Split parking coolers

	COOLAIR SPX 1200C	COOLAIR SPX 1200T
		
		
	Compressor unit	Roof evaporator unit
Ref. No.	9600011574	9600049687
Voltage	24 V DC (SPX1200C + SPX1200T)	
Current consumption	5–25 A (SPX1200C + SPX1200T)	
Cooling capacity acc. to ISO 5151	1200 W (SPX1200C + SPX1200T)	
Contains fluorinated greenhouse gases. Hermetically sealed equipment.	R134a/0.45 kg CO <sub>2</sub> -Equivalent = 0.172 t	R134a/0.1 kg CO <sub>2</sub> -Equivalent = 0.100 t
System	Rotary compressor for mobile use, soft-start electronics, adjustable low-voltage protection for vehicle battery	Three blower levels and automatic mode
Dimensions (W x H x D)	367 x 573 x 162 mm	781 x 168 x 612 mm Height on roof: 57 mm without gasket
Weight	approx. 13 kg	approx. 21 kg
Colour	white	exterior cover white, inside anthracite
Quality features	UV-resistant upper shell	UV-resistant upper shell, can be spray-painted, control panel with digital status readout, remote control, five individually adjustable nozzles
Test marks	Compliant with ECE regulations (e-Mark)	Compliant with ECE regulations (e-Mark)
Scope of delivery	Compressor unit, installation fittings, installation instructions	Roof evaporator unit, remote control, operating manual
<b>/ Accessories (optional)</b>		
Battery connection cable, 8 mm <sup>2</sup> , 11 m long, for vehicles with power management		

### Vehicle-specific installation kits for SPX 1200T (required)

Vehicle	Ref. No.
DAF XF105, XF106, SC	9100300078
MB Atego	9100300081
MAN TG2 grey <sup>1</sup>	9100300133
MAN TG2 beige	9100300134
MAN TG3 beige	9600049614
Renault T+C, H1	9100300135
Renault T+C, H2, High Sleeper	9100300136
MB Actros/Antos/Arocs (SFTP) <sup>1, 2, 5</sup>	9100300137
DAF XF 106 SSC	9100300138
Iveco Stralis Hi-Way	9100300140
Iveco Stralis HI-STREET, HI-ROAD	9100300141
Universal 1 (screw mounting)	9100300151
Universal 2 (bracket mounting)	9100300152
SCANIA Highline/Topline	9100300154
SCANIA NG 2017	9100300156
Ford F-MAX	9620005394

### Vehicle-specific mounting frame for SPX 1200C (required)

Vehicle	Ref. No.
DAF 95/105 Space/Superspace	9100300046
MAN TGL/TGM/TGS slim driver's cab	9100300049
MAN TG2 TGX wide cab	9100300050
MAN TG3 TGX wide cab	9600049612
SCANIA Highline/Topline <sup>3</sup>	9100300054
MB Actros (SFTP)	9100300060
Renault T+C	9100300071
Volvo FH4 <sup>4</sup>	9100300072
Iveco Hi-Way Stralis, Hi-Way Euro 6	9100300075
SCANIA NG 2017	9100300155
Ford F-MAX	9620005405

All installation kits are designed for all current vehicle models. See the "Installation Requirements" document for more information.

**Scope of delivery:** cover frame, seals, mounting accessories, 4 m long connection cable, installation instructions.

<sup>1</sup> MAN and MB kits with 11 m long connection cable and suitable mounting material

<sup>2</sup> Only for electric roof hatch (use for mechanical roof hatch Universal 1)

<sup>3</sup> For the mechanical roof hatch, you also need 2 original Scania brackets for installation (Scania article number 1533737).

<sup>4</sup> For cabins up to 2014

<sup>5</sup> Not for CompactSpace roof versions


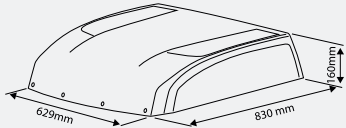
# COOLER THAN AIR

## Dometic CoolAir RT 780

2.09

Truck parking cooler



	RT 780 0° COMPRESSOR TILT		RT 780 12° COMPRESSOR TILT
  	<b>Voltage</b>	24 V DC	24 V DC
	<b>Current consumption</b>	12 – 22 A	12 – 22 A
	<b>Cooling capacity acc. to ISO 5151</b>	780 W	780 W
	<b>Contains fluorinated greenhouse gases. Hermetically sealed equipment</b>	R 134a / 0.2 kg CO <sub>2</sub> -Equivalent = 0.286 t	R 134a / 0.2 kg CO <sub>2</sub> -Equivalent = 0.286 t
	<b>System</b>	Self-contained and battery operated truck parking cooler to be installed in the existing roof hatch. Hermetically sealed and maintenance free refrigerant circuit with rotary compressor. Adjustable low-voltage cut-out.	
	<b>Dimensions (W x H x D)</b>	830 x 284 x 629 (building height 160 mm)	
	<b>Weight</b>	approx. 22 kg	approx. 22 kg
	<b>Colour / Material</b>	Upper shell white	Upper shell white
	<b>Quality features</b>	<ul style="list-style-type: none"><li>• Single unit design means quick fit and low maintenance - no need to even fill up with refrigerant</li><li>• Flexible air flow through four individually adjustable nozzles</li><li>• Settings conveniently managed by remote control</li><li>• Outstanding air cooling and dehumidification</li><li>• UV resistant cover shell can be spray-painted to match external bodywork</li><li>• Can be used while driving in addition to factory-fitted air conditioner</li></ul>	
	<b>Test marks</b>	Compliant with ECE regulations (e-Mark)	
<b>Scope of delivery</b>	Parking cooler, remote control, operating manual		
Product		Ref. No.	
Dometic CoolAir RT 780, 0° compressor tilt		9105306291	
Dometic CoolAir RT 780, 12° compressor tilt		9105306292	
/ Accessories (optional)			
Battery connection cable, 6 mm <sup>2</sup> , 11 m long, for vehicles with power management		9100300027	
Remote control		9100300113	
/ Required accessories			
Vehicle-specific installation kits (with frame, seals, mounting material, connection cable, assembly instructions)			
DAF XF105, XF106, XF95 SC		9100300029	
DAF XF105, XF106, SSC		9100300030	
IVECO HI-STREET, HI-ROAD <sup>3,4</sup> (nur RT 780 12° compressor tilt)		9100300064	
IVECO HI-WAY <sup>3,4</sup> (nur RT 780 12° compressor tilt)		9100300065	
MAN TG2 <sup>3</sup>		9100300031	
MB Actros –2011 <sup>1,3</sup>		9100300032	
MB Actros SFTP/ Antos /Arocs (SFTP)3 (not for Compact Space)		9100300057	
MB Atego/Axor <sup>3</sup>		9100300033	
Renault T+C, H1		9100300066	
Renault T+C, H2 (not for High Sleeper)		9100300067	
Renault Magnum		9100300034	
Renault Premium		9100300035	
Scania Topline <sup>2</sup> / Highline		9100300036	
Volvo (FH3) L2H2		9100300043	
Volvo (FH3) L2H3		9100300037	
Universal 1 (screw mounting)		9100300038	
Universal 2 (bracket mounting)		9100300039	
Ford F-MAX		9620005396	
1 Only for electric roof hatch (use Universal 1 for mechanical roof hatch)			
2 Two original Scania brackets are required for mechanical roof hatches (Scania no. 1533737)			
3 With battery connection cable 11 m and mounting material			
Please observe the installation requirements (information on dometic.com) and the vehicle manufacturer's specifications			





## Dometic PerfectView BVS 71000 RHD

### Turn assistant system with camera and 7" AHD monitor

Unlike conventional blind spot solutions, this turn assistant camera reliably distinguishes between moving objects like pedestrians, and static objects like a lamp post. It means the driver is warned only in case of a real danger. Integrated infrared LEDs ensure good image quality in day and night.



### A plus in safety - very easy to retrofit

The CAM1000 was specially developed as a blind spot turning assistance system for lorries. Drivers receive a visual and audible signal in critical situations to prevent serious accidents with cyclists or pedestrians, and the Dometic solution is approved for all existing vehicles. In new vehicles with factory-installed radar systems (in accordance with UN regulation no. 151), the CAM1000

is recommended as a practical safety bonus: drivers are warned acoustically and can also see on the monitor what is happening in the blind spot next to their vehicle. The CAM1000 is quick and easy to install: Simply connect the camera to the system monitor, no black box, CAN bus or sensor connection required!

- 3-in-1 solution: detection of moving objects, video image of the related area, active warning (visual/acoustic)
- System warns only in case of relevant dangers, i.e. pedestrians or cyclists moving in the blind spot area
- Quick and easy installation – all components integrated in a single housing
- Simply connects to the power supply – no extra sensors or control boxes needed
- Universal solution fits most heavy goods vehicles and most commonly used monitors
- Automatic day/night mode with infrared LED to guarantee great image quality
- General operating license for existing vehicles; useful safety bonus for new vehicles with blind spot radar system





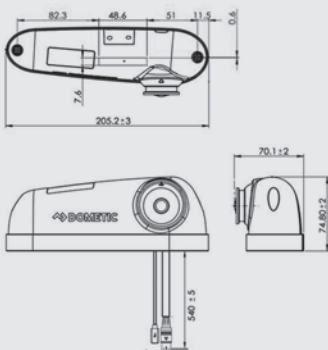


VIDEO IMAGE OF  
THE RELATED AREA



ACTIVE INDICATION  
(VISUAL/ACOUSTIC)

## Dometic PerfectView BVS71000

Turn assistant system with camera and 7" heavy-duty AHD monitor

    	<b>/ CAMERA</b>	
	<b>Colour camera CAM1000/ BSC01</b>	
	<b>Dimensions (W x H x D)</b>	209 x 75 x 58 mm
	<b>Operating voltage</b>	12 to 32 V DC
	<b>Power consumption</b>	< 14 W with LED
	<b>Picture sensor</b>	1/3.2" CMOS
	<b>Resolution</b>	approx. 1 Mio pixels
	<b>Picture angle</b>	180° diagonal, 160° horizontal, 90° vertical
	<b>Light sensitivity</b>	0.1 LUX/ 0 LUX with LED
	<b>Video standard</b>	NTSC
	<b>Operating temperature</b>	-30°C to +80°C
	<b>Colour</b>	grey
	<b>Vibration resistance</b>	10 g
	<b>Weight</b>	600 g
	<b>Brightness adjustment</b>	electronic
	<b>Type of protection</b>	IP69k
	<b>Test mark E-certificate</b>	ECE R10, RED, ABE with type approval eligible for subsidy according to a recommendation of the German Federal Ministry of Transport and Digital Infrastructure (BMVI)
	<b>Quality Features</b>	<ul style="list-style-type: none"> <li>• Active detection of moving objects</li> <li>• Video image of the related area</li> <li>• Active indication (visual/ accoustic)</li> <li>• Simple installation of one device only</li> <li>• Indication of relevant objects only (moving) – very few failure indication</li> </ul>
	<b>Scope of delivery</b>	Camera, system cable, manual
	<b>/ MONITOR</b>	
	<b>7" colour LCD monitor M75LXAHD</b>	
	<b>Dimensions (W x H x D)</b>	190 x 110 x 26 mm (including holder)
	<b>Diagonal screen dimension</b>	7"/178 mm (visible picture), 16:9
	<b>Operating voltage</b>	11 to 30 V DC
	<b>Power input</b>	8 W
	<b>Resolution</b>	600,000 pixels
	<b>Video standard</b>	PAL/NTSC auto
	<b>Operating temperature</b>	-20 to +70 °C
	<b>Vibration resistance</b>	6 g
	<b>Weight</b>	400 g
	<b>Brightness</b>	up to 600 cd/m <sup>2</sup>
	<b>Dimmer</b>	automatic via LDR
	<b>Camera inputs</b>	3 + 1 with signal recognition (trailer detection)
	<b>Mirrored picture function</b>	can be set
	<b>Test mark</b>	ECE R10, ISO 16750
	<b>Quality features</b>	Switches on automatically or manually, automatic day/night switching, normal or mirrored picture function, picture settings can be saved for each camera, loudspeaker, LED background illumination, LX version with adjustable distance marks
	<b>Scope of delivery system</b>	Monitor, camera, 5 m system cable, 20 m connection cable from the monitor to the camera, monitor cable set, installation fittings for all components, LX version with additional sun shield
	<b>Product</b>	<b>Ref. No.</b>
	Dometic BVS71000	9600026946
	Dometic BVS71000 RHD	9620001020
	<b>Accessory /</b>	
	Direct Vision Standard Kit for BVS 71000 and CAM1000	4445900623
	L-bracket / enables installation at the cargo box in case of too small drivers cabin (blocked cam view)	9600028415

# BLIND SPOT ASSISTANCE

Choose what fits you



## Dometic PerfectView M 75LX AHD

Heavy-duty 7" LCD monitor with AHD technology

- FDigital LCD technology with LED backlighting and analog high definition (AHD) achieve top image quality – day and night!
- Adjustable distance marks define the danger zone for safe reversing
- Four cameras can be connected – one with signal recognition, for side camera activation via the indicator light
- Image settings can be saved separately for each camera input
- Automatic trailer camera recognition
- Attachable sunshield for glare-free vision
- Optional mirror function gives you a familiar rear mirror view

Ref. No. 9600012899

1

Side camera



## Dometic PerfectView CAM 29S

CMOS colour cylinder camera, black, PAL, 150° diagonal

- Custom solution for panel vans – ideal for tricky installation conditions
- Wide-angle lens with large picture angle (150° diagonal)
- Waterproof (IP69K rated)
- Colour cylinder camera (NTSC), 1/4" CMOS image sensor
- Factory preset mirror function to give you a familiar rear mirror view
- High sensitivity to light for sharp, high-contrast images
- Electronic brightness adjustment for consistently good image quality

Ref. No. 9600000199





## 2 Side or corner camera



### Dometic PerfectView CAM 301

Ball camera

- Compact design - easy to align
- Ball camera with flexible mount options
- Sturdy aluminium housing
- Waterproof and non-corroding design
- Infrared LEDs support wide-angle lens - perfect image quality


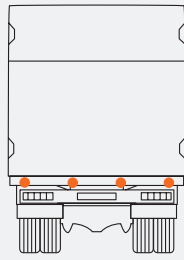
Ref. No. 9600005898

## DOMETIC MAGICWATCH - FOUR SENSORS WATCH YOUR BACK

This rear parking aid for trucks has a 3 m detection range and LCD display with coloured backlight for top image quality.

### Dometic MagicWatch MWE 6004

Rear parking aid for trucks, four sensors

 	<b>Operating voltage</b>	12 and 24 V DC
	<b>Monitoring range</b>	
	<b>Stop zone</b>	approx. 10 – 60 cm
	<b>Measuring range</b>	approx. 10 – 300 cm
	<b>Warning function</b>	<ul style="list-style-type: none"> <li>• Acoustic</li> <li>• Visual via LED display</li> </ul>
	<b>Activation via</b>	Reverse gear
	<b>Sensors</b>	4 built in sensors
	<b>Visible sensor area</b>	18 mm
	<b>Cut-out for sensor</b>	18 mm
	<b>Quality Features</b>	<ul style="list-style-type: none"> <li>• Sensors have a 3 m detection range</li> <li>• Backlit, LCD display ensures a clear image for the driver</li> <li>• Warning buzzer alerts the driver to obstacles</li> <li>• Sensitivity of sensors is adjustable</li> <li>• Compact control unit saves space</li> <li>• Parameter Programming System (PPS)</li> <li>• Option to shift the stop line</li> </ul>
Product	Ref. No.	
Dometic MagicWatch MWE 6004	9101500081	
<b>/ Optional extras</b>		
Rubber sensor holder	9101500071	
Metal substructure sensor holder	9101500078	
Gasket with silicon ring, for metal bumper	9101500015	

# SINGLE COMPONENTS


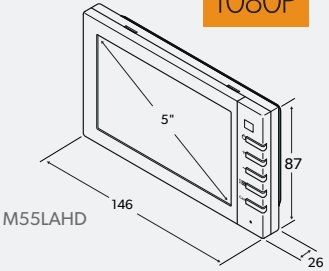
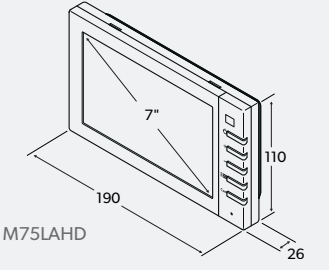
## Combine the camera and monitor for your best solution

Flat, compact and easy to adjust: a PerfectView monitor is the ideal teammate for your reversing camera. You can easily connect more cameras – up to four, depending on the model. Advanced digital LCD technology to give you high-contrast images day and night. Designed and certified for professional use.

### Dometic PerfectView M55LAHD / M75LAHD

3.19

Digital 5" or 7" LCD monitor with AHD technology

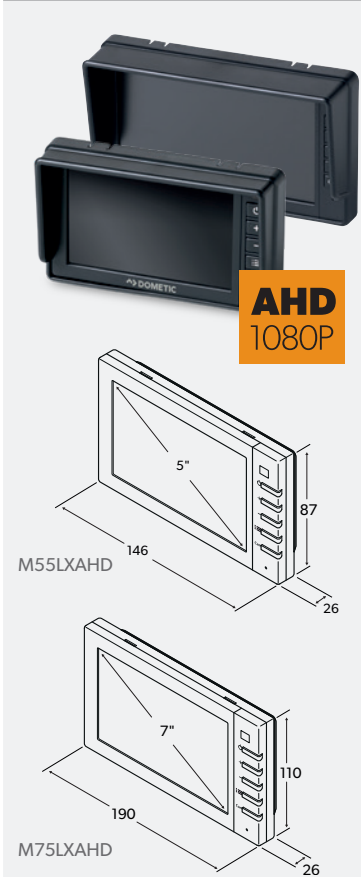
		M55LAHD	M75LAHD
   <p>M55LAHD</p> <p>M75LAHD</p>	<b>Dimensions (W x H x D)</b>	146 x 87 x 26 mm	190 x 110 x 26 mm
	<b>Diagonal screen dimension</b>	5"/127 mm	7"/178 mm
	<b>Operating voltage</b>	11 to 30 V DC	11 to 30 V DC
	<b>Power input</b>	8 W	8 W
	<b>Resolution</b>	384,000 pixels, supporting AHD feature	600,000 pixels
	<b>Video standard</b>	PAL/NTSC auto	PAL/NTSC auto
	<b>Operating temperature</b>	-20 to +70 °C	-20 to +70 °C
	<b>Vibration resistance</b>	6 g	6 g
	<b>Weight</b>	350 g	400 g
	<b>Brightness</b>	350 cd/m <sup>2</sup>	up to 600 cd/m <sup>2</sup>
	<b>Dimmer</b>	automatic via LDR	automatic via LDR
	<b>Camera inputs</b>	2 + 1 with signal recognition	2 + 1 with signal recognition
	<b>Mirrored picture function</b>	can be set	can be set
	<b>Test mark</b>	ECE R10, ISO 16750	ECE R10, ISO 16750
	<b>Quality features</b>	Switches on automatically or manually, automatic day/night switching, normal or mirrored picture function, picture settings can be saved for each camera, loudspeaker, LED background illumination	
<b>Product</b>		<b>Ref. No.</b>	
Dometic PerfectView M55LAHD		9600012882	
Dometic PerfectView M75LAHD		9600012898	



## Dometic PerfectView M55LXAHD / M75LXAHD

3.19

Heavy-duty 5" or 7" LCD monitor with AHD technology

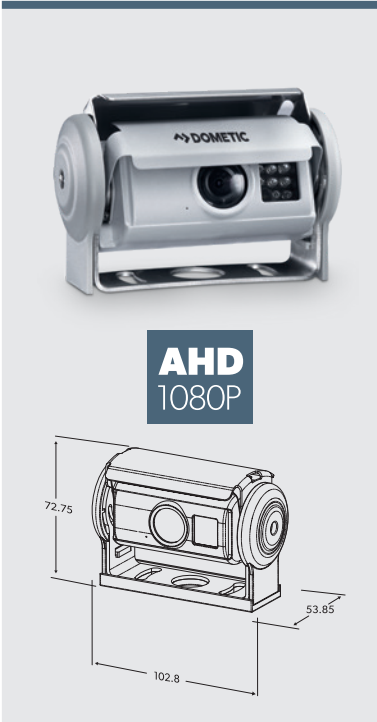
		M55LXAHD	M75LXAHD
 <p><b>AHD 1080P</b></p> <p>M55LXAHD: 146 x 87 x 26 mm</p> <p>M75LXAHD: 190 x 110 x 26 mm</p>	<b>Dimensions (W x H x D)</b>	146 x 87 x 26 mm	190 x 110 x 26 mm
	<b>Diagonal screen dimension</b>	5"/127 mm	7"/178 mm
	<b>Operating voltage</b>	11 to 30 V DC	11 to 30 V DC
	<b>Power input</b>	8 W	8 W
	<b>Resolution</b>	384,000 pixels, supporting AHD feature	614,000 pixels
	<b>Video standard</b>	PAL/NTSC auto	PAL/NTSC auto
	<b>Operating temperature</b>	-20 to +70 °C	-20 to +70 °C
	<b>Vibration resistance</b>	6 g	6 g
	<b>Weight</b>	350 g	400 g
	<b>Brightness cd/m<sup>2</sup></b>	400 cd/m <sup>2</sup>	400 cd/m <sup>2</sup>
	<b>Dimmer</b>	automatic via LDR	automatic via LDR
	<b>Camera inputs</b>	3 + 1 with signal recognition	3 + 1 with signal recognition
	<b>Mirrored picture function</b>	can be set	can be set
	<b>Test mark</b>	ECE R10, ISO 16750	ECE R10, ISO 16750
	<b>Quality features</b>	Incl. adjustable distance marks and detachable sun shield, switches on automatically or manually, automatic day/night switching, normal or mirrored picture function, picture settings can be saved for each camera, loudspeaker, LED background illumination	
<b>Product</b>		<b>Ref. No.</b>	
Dometic PerfectView M55LXAHD		9600012883	
Dometic PerfectView M75LXAHD		9600012899	



Dometic PerfectView CAM80AHD

3.19

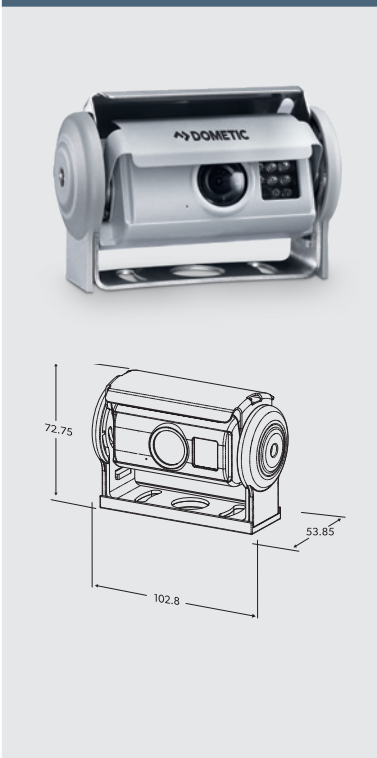
Small colour shutter AHD camera, 120° diagonal

	<b>Dimensions (W x H x D)</b>	106 x 68 x 54 mm (including holder)
	<b>Operating voltage</b>	11 to 16 V DC
	<b>Power input</b>	1.8 W with heater
	<b>Picture sensor</b>	1/2.9" CMOS
	<b>Resolution</b>	2,000,000 pixels
	<b>Picture angle</b>	125° diagonal, h: approx. 110°, v: approx. 60°
	<b>Light sensitivity</b>	< 0.5 Lux; 0 Lux with LED + motorized IR cut filter
	<b>Video standard</b>	PAL
	<b>Operating temperature</b>	-30 to +70 °C
	<b>Colour</b>	silver
	<b>Vibration resistance</b>	6 g
	<b>Weight</b>	350 g
	<b>Brightness adjustment</b>	electronic
	<b>Mirrored picture function</b>	can be set
	<b>Type of protection</b>	IP 69K
	<b>Test mark E-certificate</b>	E-certificate, ISO 16750
<b>Product</b>		<b>Ref. No.</b>
Dometic PerfectView CAM80AHD		9600012923
Note: To use the CAM 80 AHD, you need an AHD-capable monitor.		

Dometic PerfectView CAM80CM

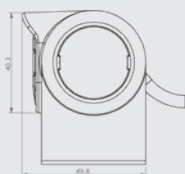
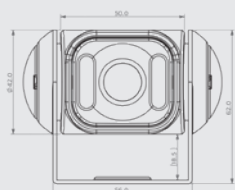
3.19

Small colour shutter camera, 145° diagonal

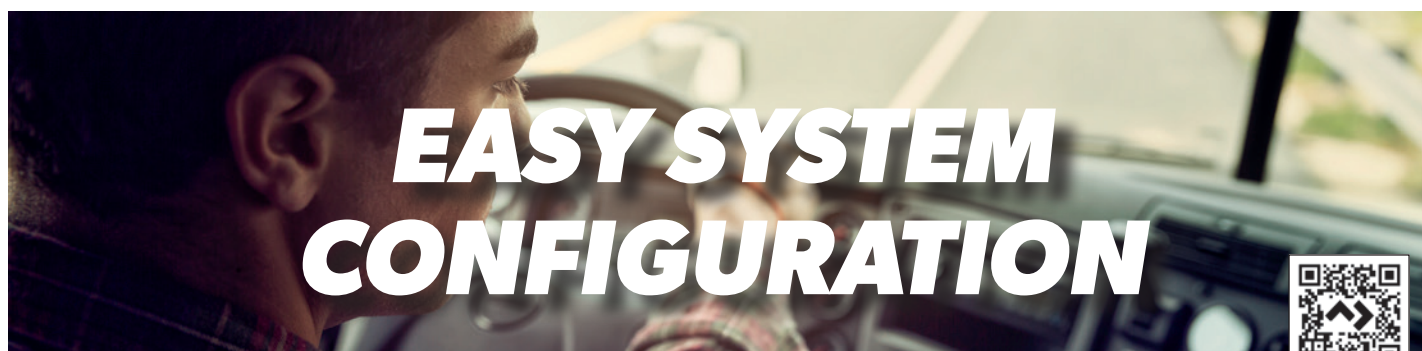
	<b>Dimensions (W x H x D)</b>	106 x 68 x 54 mm (including holder)
	<b>Operating voltage</b>	11 to 16 V DC
	<b>Power input</b>	1.8 W with heater
	<b>Picture sensor</b>	1/3" CCD
	<b>Resolution</b>	270,000 pixels
	<b>Picture angle</b>	145° diagonal, h: approx. 100°, v: approx. 72°
	<b>Light sensitivity</b>	< 0.5 Lux; 0 Lux with LED
	<b>Video standard</b>	PAL / NTSC
	<b>Operating temperature</b>	-20 to +65 °C
	<b>Colour</b>	silver
	<b>Vibration resistance</b>	6 g
	<b>Weight</b>	350 g
	<b>Brightness adjustment</b>	electronic
	<b>Mirrored picture function</b>	can be set
	<b>Type of protection</b>	IP 68
	<b>Test mark E-certificate</b>	ECE R10, ISO 16750
<b>Product</b>		<b>Ref. No.</b>
Dometic PerfectView CAM80CM		9600000049

## Dometic PerfectView CAM55

Heavy-duty colour camera, 120° diagonal





<b>Dimensions (W x H x D)</b>	80 x 50 x 62 mm (including holder)
<b>Operating voltage</b>	10 – 32 V DC
<b>Power input</b>	max. 4.1 W with heater
<b>Picture sensor</b>	1/4" CMOS
<b>Resolution</b>	300,000 pixels
<b>Picture angle</b>	120° diagonal, h: approx. 100°, v: approx. 70°
<b>Light sensitivity</b>	< 1 Lux; 0 Lux with LED
<b>Video standard</b>	PAL
<b>Operating temperature</b>	–30 to +70 °C
<b>Colour</b>	silver
<b>Vibration resistance</b>	10 g
<b>Weight</b>	165 g
<b>Brightness adjustment</b>	electronic
<b>Mirrored picture function</b>	can be set
<b>Type of protection</b>	IP 69K
<b>Test mark E-certificate</b>	ECE R10, ISO 16750
<b>Product</b>	<b>Ref. No.</b>
Dometic PerfectView CAM55	9600000555
Volvo Adapt RV03	9600051329



Modern trucks mostly come with a factory-fitted a monitor. That means you can easily retrofit a rear-view camera for safer reversing, or a blind spot camera on the side. Our RVS configurator makes it easy for you to order the matching cameras, cables and adapters for the vehicle you have.

**Click here to download  
the RVS configurator**

## Adapters for connecting a PerfectView camera to the original multi-media display


<b>MAN TG3</b> With video preparation 0P2DO / 0P2D1 / 0P2D2 / 0P2D3	
	<b>RVMAN3</b>  Ref. No. 9600029590
	<b>RVMAN4</b>  Ref. No. 9600029514



**MAN TOPLINE 2 MMT** Without video preparation 351LZ	
	**RVMAN1**  Ref. No. 9600000230
**MAN TOPLINE 2 FACELIFT MEDIA TRUCK ADVANCED** With video preparation 351MA / 351MC / 351ME / 351MF	
	**RVMAN16R**  Ref. No. 9600000606
	**RVMAN16W**  Ref. No. 9600000607
**MERCEDES BENZ ACTROS 5** With video preparation J9P	
	**RVMB2 Actros 5**  Ref. No. 9600026635
	**RVMB1 Actros 5**  Ref. No. 9600026634
**MERCEDES BENZ ACTROS 4 / ANTOS / AROCS J2D / J1C MULTIMEDIASYSTEM** Without video preparation J9J	
	**RVMB1 Actros 4 w/o J9J**  Ref. No. 9600000234
**MERCEDES BENZ ACTROS 4 / ANTOS / AROCS J2D / J1C MULTIMEDIASYSTEM** With video preparation J9P	
	**RVMB2 Actros 4**  Ref. No. 9600000231
**IVECO S-WAY** Infotainment & navigation extra EU	
	**RVIV3 + RVIV2**  Ref. No. 9600051328 + 9600049541
	**RVIV1 + RVIV2**  Ref. No. 9600032022 + 9600049541
**IVECO IVECONNECT** Multimediasystem	
	**RVMAN1**  Ref. No. 9600000230







<b>VOLVO TRAILER CAMERA ONLY</b> With video preparation sid high with BUPMON	
	<b>RVVO2</b>  Ref. No. 9600000239

<b>DAF TNR</b>	
	<b>RVDAF3</b>  Ref. No. 9620009520






<b>DAF MULTI-MEDIA SYSTEM</b>	
	<b>RVMB2</b>  Ref. No. 9600000231

<b>VOLVO FH5 (FH4 B) GENERATION</b> with analogue video preparation mca-a	
	<b>RVVO4</b>  Ref. No. 9600051330
	<b>RVVO3</b>  Ref. No. 9600051329

<b>SCANIA INFO-TAINMENT PREMIUM</b> With video preparation AUS4	
	<b>RVMAN16R</b>  Ref. No. 9600000606
	<b>RVMAN16W</b>  Ref. No. 9600000607
	<b>RVSC171</b>  Ref. No. 9600003782

<b>SCANIA PREMIUM RADIO</b>	
	<b>RVMAN1</b>  Ref. No. 9600000230
<b>SCANIA ORIGINAL MONITOR ORLACO</b>	
	<b>RVSC2</b>  Ref. No. 9600000232

## Heavy-duty cables

SPK170	SPK180-V	SPK370	CAB 39	ADAPT5
				
Heavy-duty spiral cable set for trailers incl. sockets, also suitable for CAM60 and CAM44	Car specific spiral cable fits to the OE video cable of VOLVO rear CAM and enables connection of a trailer camera	Heavy-duty spiral cable set for trailers with three camera inputs	System and extension cable for trailers	<ul style="list-style-type: none"> <li>For connecting Dometic PerfectView rear-view cameras to non-Dometic multimedia displays and navigation systems with RCA input</li> <li>Universal adaptor with nearly no restrictions</li> <li>Compatible with Dometic PerfectView camera models except Shutter cameras</li> </ul>
Product				Ref. No.
SPK170 / Prepared system connections (available as single)				9600000235
SPK170 / Socket with system plug				9600000237
SPK170 / Socket with system socket				9600000236
SPK180-V / Car specific spiral cable				9600005573
SPK370 / Spiral cable				9600051335
CAB 39/ Trailer cable 5m for trailers with low coupling and ABS socket				9600000226
ADAPT5 / Camera-display cables for non-Dometic monitors and navigation systems				9102200047

# HOW ADDING A GO POWER! SOLAR SYSTEM CAN BENEFIT YOUR BUSINESS

There are many good reasons why it pays to invest in a mobile power supply solution based on renewable solar energy. Continuous battery recharging from a solar panel eliminates dead batteries in almost any application. Therefore giving batteries a longer life and

prevents costly service calls due to battery failure. Fast return on investment is another benefit for vehicle owners and fleet operators. Chances are that a solar system pays off with a single service call avoided.



## Solar systems cut operating costs by reducing fuel consumption and CO2 emissions

The combustion of one litre of Diesel fuel produces about 2.65 kg of carbon dioxide. Let's assume a truck driver would idle the engine for two hours per day to save on battery power. And now let's see how this affects the vehicle owner's

### Two hours idling per day means ...

**£ 2.91 extra cost per day** (based on a Diesel price of £ 1.37 / litre)

**£ 17.45 extra cost per week** (based on 6 working days)

**£ 837.70 extra cost per year** for a total of 576 l of Diesel (based on 48 working weeks)

576 l of Diesel burnt translates to 1,526.4 kg of CO2 emitted to the atmosphere. For a single truck. Imagine this being done on a fleet of 200 vehicles. Or several thousands.

**With a solar panel on the roof, there's no need to idle the engine anymore. The battery bank is charged with free energy from the sun, while driving and when parked.**

# MINIMISE DOWNTIME

Say goodbye to dead batteries and power related service call.  
Keep your trucks on the road moving freight reliably and efficiently.



## Reduce fuel consumption and CO2 emissions

Cut down your operating costs by harnessing the power of the sun. Solar panels produce usable power free of charge anytime the sun is out.



## Impressive return on investment

Get more from your money! Go Power! solar customers report a 6 to 12 month return on their investment. Some of them achieved ROI after avoiding a single service call.



## Extend battery life

Add years of life of your batteries by topping them up with solar energy. Save costs by replacing batteries after years, not months.



## Charging while driving or parked

Solar systems increase battery run time, because they charge while driving or parked. Customers report an additional 3 hours of run time with 330 watts of solar power installed.



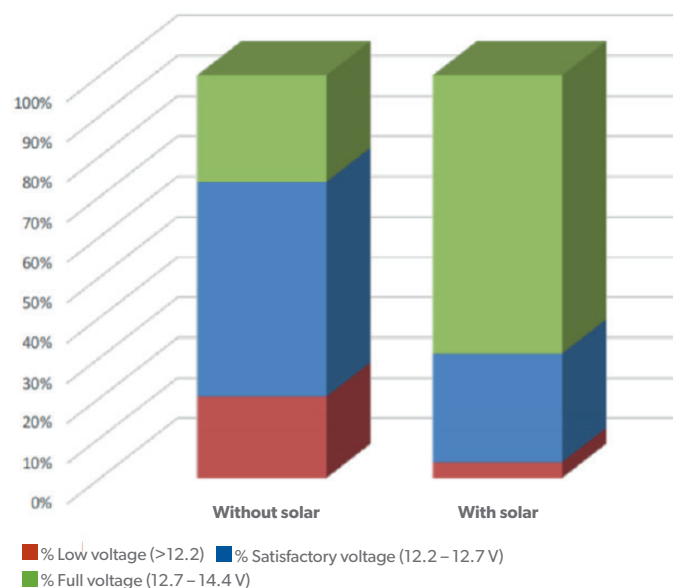
## Solar systems cut operating costs by letting your batteries last longer

### Example: Solar added to old batteries on lift gates

The diagram shows how a Go Power! solar solution resulted in a radical improvement in the mobile power resources.

- Non-solar batteries spend 20% of their life in a low-voltage state, which continuously causes battery decay.
- Go Power! solution dropped that number to only 4% on an already damaged battery.
- Go Power! solution put the battery back into a healthy state of charge.

BATTERY PERCENTAGE BREAKDOWN







# SOLAR PANELS

## A BETTER ALTERNATIVE FOR BATTERY CHARGING

Lift gates, pallet jacks and other peripheral equipment can quickly run off the battery bank of a truck. Discharged batteries, in turn, lead to costly downtimes and expensive service calls. Dometic Go Power! solar systems provide a better alternative to recharge the batteries of trucks, vans and construction machinery. No need to invest in a generator, and no need to keep the engine idling. Moreover, battery charging with solar power can extend the battery life from months to years.

Our highly efficient solar panels are designed to meet the tough demands of the commercial vehicle industry. Perfectly matching solar controllers optimise the charging process to prevent overcharging and give batteries a longer life. We also supply perfectly coordinated harnessing and practical accessories for fast and hassle-free installation

### Here are the key benefits:

- Battery recharging with solar power minimizes costly downtimes and service calls
- No more jump starting after periods of inactivity
- Extended battery life protects your investment
- Reduced fuel consumption for generators and idling
- Complete solutions with perfectly coordinated components (solar panel, solar charge controller, harnessing, installation accessories)

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## How a solar energy system works

In principle, a solar energy system consists of one or more solar modules on the roof and a control system fitted in the vehicle interior. When exposed to light, the solar energy system then emits 12 or 24 V direct current via the controller.

This DC current is taken up by the onboard battery until the controller detects that the battery charging is complete and then cuts off the connection. The solar controller ensures that the battery charging is always optimal. It prevents overcharging and ensures that no current can flow back to the solar modules during dark phases.

In other words, a solar energy system basically functions like a conventional battery charger. The difference is that it does not require a mains connection, so the batteries can be charged while driving and when parked.

## Anatomy of a Go Power! solar system

**Solar module** – located somewhere on the top of the vehicle

**Solar charge controller** – stops the flow of power when the batteries are completely charged

**Harnessing** – gets the power from the solar module to the batteries

**Batteries** – holding the power from the solar system

**Inverters** – generating 230 VAC from battery voltage

# THE DOMETIC GO POWER! SOLUTION CUSTOMISED FROM PROFESSIONAL COMPONENTS

Dometic Go Power! solar solutions consist of professional components specially designed for harsh industrial applications. Ultra-thin, ultra-light, flexible solar modules on the roof team up with the matching solar charge controller, which makes sure that the battery is optimally charged. Regardless of how much solar

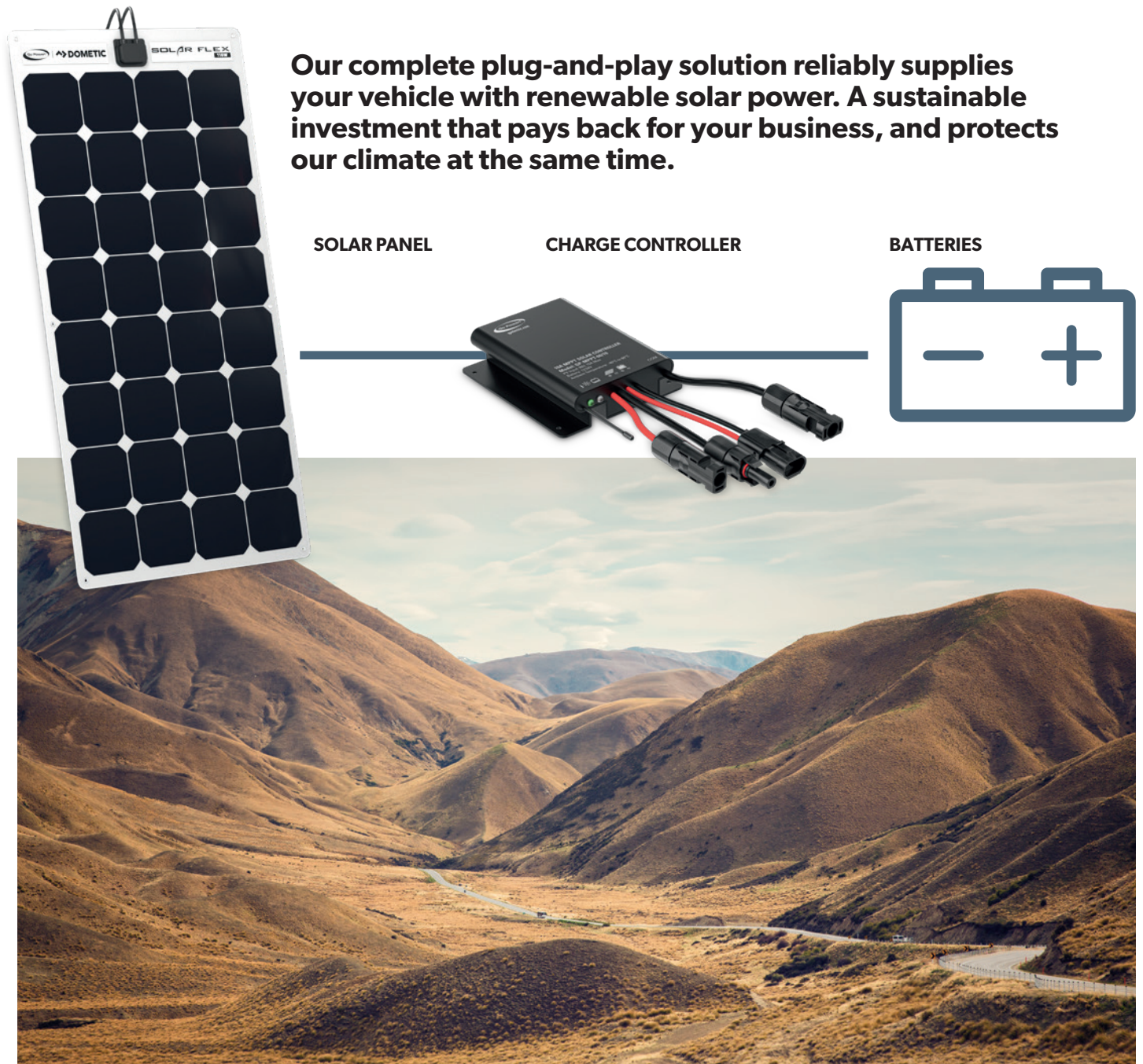
power you need, and no matter if you have a 12 or 24 V grid – we can configure a highly efficient solar system to meet your individual requirements. IP68 compliant, fully sealed cabinets (resistant to shock, vibration, dust and water ingress) and the use of water-proof plug connectors make your solutions fit for the rigors of mobile use.

**Our complete plug-and-play solution reliably supplies your vehicle with renewable solar power. A sustainable investment that pays back for your business, and protects our climate at the same time.**

SOLAR PANEL

CHARGE CONTROLLER

BATTERIES



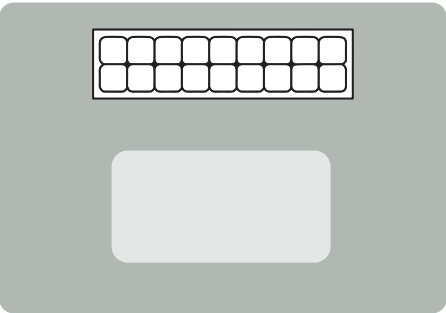
# DOMETIC GO POWER! INSTALLATION EXAMPLES



Here are four configuration examples for different truck cabins. Draw inspiration from the solutions created by our engineers. We will gladly assist you in finding the best possible solar panel setup for your application.

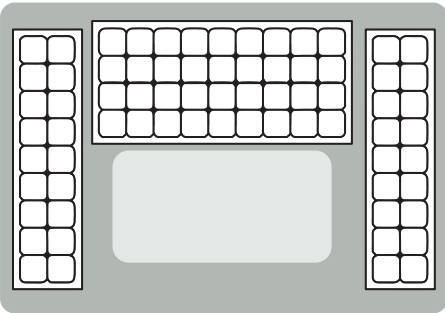
**INSTALLATION EXAMPLE 1:  
INSTALLATION OF 1 X 55WP SOLAR  
MODULE**

The self-adhesive solar module is attached to the roof along the corrugation. To secure it, self-tapping screws can be screwed into the roof at the front holes. The junction box disappears under the spoiler.



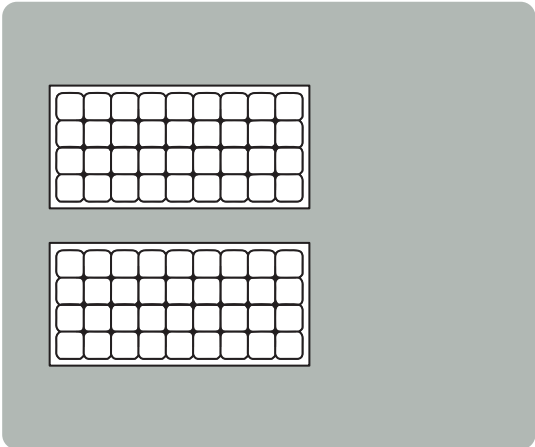
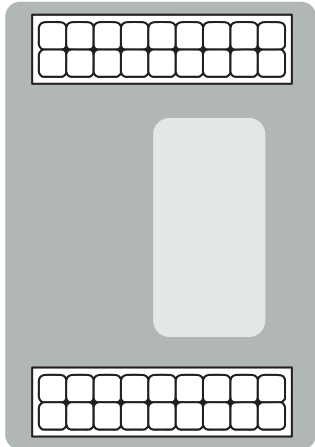
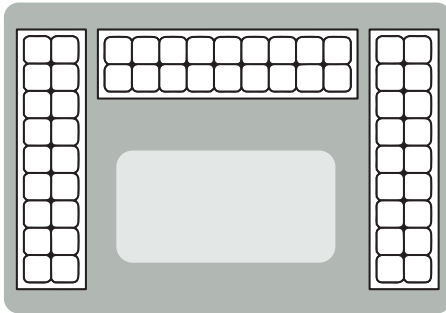
**INSTALLATION EXAMPLE 2:  
INSTALLATION OF 2 X 55WP PLUS 1 X  
110WP**

This illustration shows the maximum possible output of 220Wp. The 110Wp module can be glued and additionally screwed.



**INSTALLATION EXAMPLE 3:  
INSTALLATION OF 3 X 55WP**

On truck models where the 110Wp module cannot be used due to the corrugated roof surface, a possible alternative is to install 3 x 55Wp modules.



**INSTALLATION EXAMPLE 4:  
INSTALLATION OF 2 X 55WP  
PLUS 2X 110WP**

This illustration shows a possible power of 330Wp.





# HOW MUCH POWER DO YOU NEED?

How much power you need depends on the vehicle and the equipment on board. Here is an example to give you an idea of how to calculate the demand:

## Go Power! installation example for a truck

### Comfort devices on board

Microwave oven:	1,200 W	for 6 min.	= 120 Wh + 10 %	= 132 Wh
Coffee machine:	1,000 W	2 x for 5 min	= 166,66 Wh + 10 %	= 183 Wh
TV set:	40 W	for 5 hours	= 200 Wh + 10 %	= 220 Wh
			486,66 Wh + 10 %	= 535 Wh

### Our recommendation:

220 Wp set, sufficient even in half-light conditions (fall/winter)

**Power demand:** 486,6 Wh

**Solar:** 220 Wp x 4 = 880 Wh / day



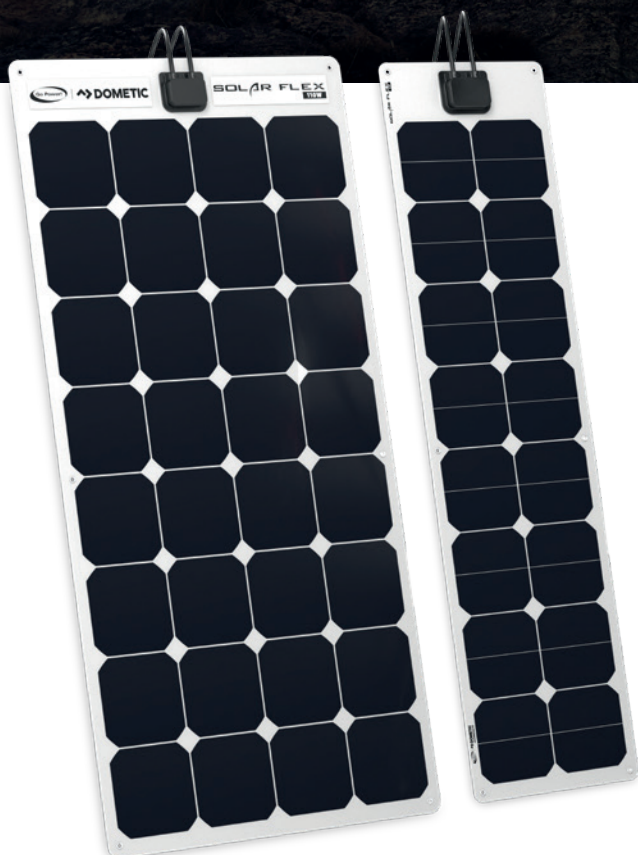
## Power demand for typical commercial applications

- Inner city delivery (100 W)
- Lift gate / tail lift (200 to 300 W)
- Refrigeration (30 to 50 W)
- Electric pallet jack (300 to 600 W)a
- Telematics (10 to 50 W)
- HVAC (300 W)
- DC appliances powered from the battery (10 to 5000 W)



# SOLAR PANELS

FOR BATTERY CHARGING IN COMMERCIAL VEHICLES



## Dometic Go Power! FLEX

### Solar modules

Avoid costly downtime by recharging the batteries of your work vehicles with solar energy! This flexible solar panel produces more power per square foot than any other flat panel on the market. Lightweight and ultra-thin at a mere 3 mm, it bends up to 30° and thus neatly contours to truck cabins, trailer bodies or curved van roofs. The panel is self-adhesive for ease of installation.

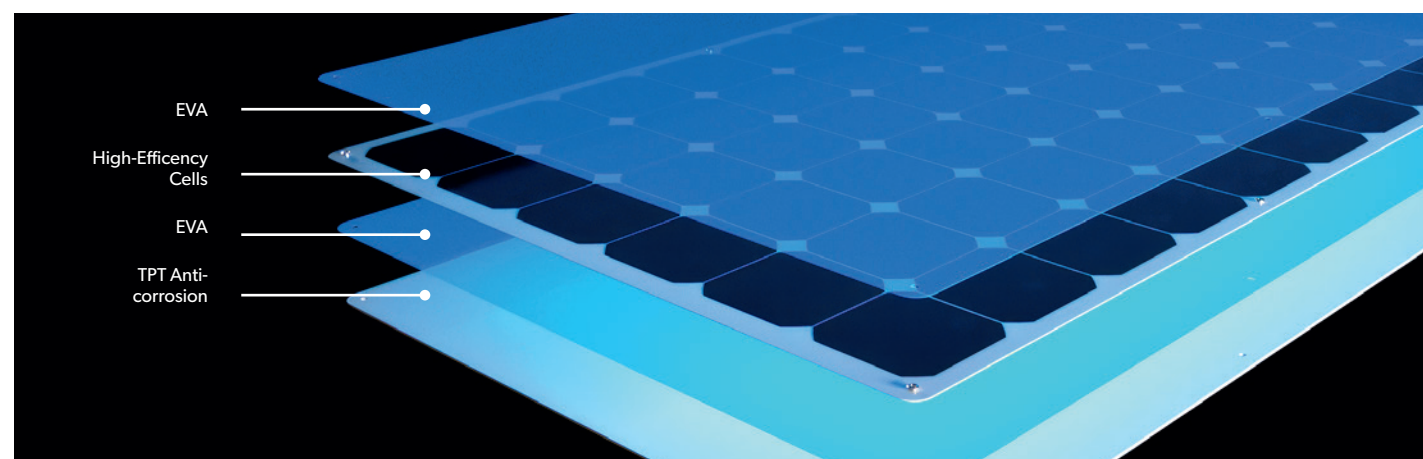
- Highly efficient monocrystalline solar cells for maximum solar yield per area
- Curves up to 30° and neatly contours to truck cabins, trailer bodies or curved van roofs
- Self-adhesive panel is simply attached to the surface
- Ultra-light weight – up to 82% lighter than other solar modules
- Aerodynamic design reduces fuel costs and emissions
- Durable and maintenance-free – 5 years limited power output warranty
- Industry-standard MC4 quick-connect cables (work in series or in parallel)

## Domestic Go Power! FLEX

FLEX Solar Modules

		
	<b>GP-FLEX-55</b>	<b>GP-FLEX-110</b>
<b>Ref. No.</b>	9620013480	9620013481
<b>Rated power (P<sub>m</sub>)</b>	55 W	110 W
<b>Maximum power voltage (V<sub>mp</sub>)</b>	17.6 V	17.6 V
<b>Maximum power current (I<sub>mp</sub>)</b>	2.88 A	6.31 A
<b>Open circuit voltage (V<sub>oc</sub>)</b>	19.0 V	22.08 V
<b>Short circuit current (I<sub>sc</sub>)</b>	3.04 A	6.60 A
<b>Current coefficient</b>	2.2 mA / °C	2.2 mA / °C
<b>Cell type</b>	Monocrystalline	Monocrystalline
<b>Solar cell efficiency</b>	21 %	21 %
<b>Weight</b>	1.6 lb (0.72 kg)	2.9 lb (1.35 kg)
<b>Dimensions</b>	1140 x 286 x 3 mm	1134 x 544 x 3 mm
<b>Connection cable length</b>	330 mm	330 mm

\* The conductor marking orange is regulated in ECR R 100.2 for vehicles with electric drive. Here the conductor colour is orange from 60 VDC and 30VAC.





# CHARGING TECHNOLOGY



If you want to charge your batteries with solar power, the output voltage of the modules must be adjusted by suitable charging technology. There are various systems available in the market, e.g. simple PWM charge controllers and more complex ones using MPPT technology (Multiple Power Point Tracking). In simple words, the MPPT controller determines the power curve of the modules and adjusts the voltage and current to the maximum of this power curve. Efficiency is paramount in mobile applications, so we use MPPT technology exclusively. Temperature control and specially adapted charging characteristics for different types of batteries are a matter of course for us. With a Dometic solution, you can be sure that you are using the right technology for your application.

## Battery charging under control

Our high-performance solar charge controllers are designed for harsh industrial environments. They ensure optimal battery charging and maximum yield from all types of solar systems. Robust, fully-sealed housings (IP68) resist vibration as well as dust and water ingress.






### Dometic Go Power!





Solar charge controller

		
	<b>MPPT 100-30</b>	<b>GP-BOOST-50/12</b>
Ref. No.	9620013484	9620013482
Nominal system voltage	12/24 V (automatic detection)	24/36/48 V (automatic detection)
Maximum charge current	30 A	12 A
Battery voltage range	9 – 15,5 V (12-V-System); 18 – 31 V (24-V-System)	9 – 60 V (12-V-System); 18 – 31 V (24-V-System)
Trickle charge	13,8/27,6 V (25 °C)	27,6/41,4/55,2 V (25 °C)
Main charge	14,4/28,8 V (25 °C), 0,5 h daily	28,8/44,2/57,6 V (25 °C), 0,5 h daily
Boost charge	14,4/28,8 V (25 °C), at 2 h activation: battery voltage < 12.3/24.6 V	28,8/44,2/57,6 V (25 °C), at 2 h activation: battery voltage < 24.6/36.9/49.2 V
Operating temperature	-40 to 60 °C	-40 to +60 °C
Dimensions (W × H × D), in mm	128 × 152 × 43	149 × 89 × 42
Weight	1300 g	750 g
IP protection class	IP68	IP68
Battery type	Lead acid (gel, AGM, liquid electrolyte), LiFePO4	Lead acid (gel, AGM, liquid electrolyte), LiFePO4
Features	<ul style="list-style-type: none"><li>Fully-sealed housing (IP68) – shock-resistant, vibration-resistant, water- and dust-proof</li><li>Up to 98% power conversion efficiency with MPPT technology (Maximum Power Point Tracking) Works with 12 or 24 V batteries</li><li>Easy to install with water-proof MC4 solar connectors and Delphi battery connectors</li><li>Optimal charging extends the battery life from months to years</li><li>Compatible with all battery types, including lithium-ion batteries</li><li>5-year warranty</li><li>Plug &amp; play - ready for connection</li></ul>	<ul style="list-style-type: none"><li>Fully-sealed housing (IP68) – shock-resistant, vibration-resistant, water- and dust-proof</li><li>Up to 98% power conversion efficiency with MPPT technology (Maximum Power Point Tracking) Works with 24, 36 or 48 V batteries</li><li>Easy to install with water-proof MC4 solar connectors and Delphi battery connectors</li><li>Optimal charging extends the battery life from months to years</li><li>Compatible with all battery types, including lithium-ion batteries</li><li>5-year warranty</li><li>Plug &amp; play - ready for connection</li></ul>



## Dometic Go Power! Accessories

					
	<b>DOMETIC GO POWER! FLEX AST</b>	<b>DOMETIC GO POWER! MPPT 100-30 BWH</b>	<b>DOMETIC GO POWER! BOOST 50-12 BWH</b>	<b>DOMETIC GO POWER! FLEX EC</b>	<b>DOMETIC GO POWER! FLEX SWH</b>
<b>Ref. No.</b>	5cm x 450 cm / 9620013490 10 cm x 300 cm / 9620013491	9620013485	9620013483	180 cm / 9620013488 90 cm / 9620013489	610 cm / 9620013486 1,220 cm / 9620013487
<b>Description</b>	Multi-purpose adhesive tape	Battery wiring harness for Domestic Go Power! MPPT 100-30	Battery wiring harness for Domestic Go Power! BOOST 50-12	Extension cable for solar modules	Solar wire harness with orange sheathing
<b>Features</b>	<ul style="list-style-type: none"> <li>Simply secure the cables in place with adhesive tape</li> <li>No visible cables and a tight seal all around the panel</li> </ul>	<ul style="list-style-type: none"> <li>Easy to install connection between the solar controller and the battery</li> <li>Withstands the harshest industrial environments</li> <li>Designed to fit the Domestic Go Power! MPPT 100-30 solar charge controller</li> </ul>	<ul style="list-style-type: none"> <li>Easy to install connection between the solar controller and the battery</li> <li>Withstands the harshest industrial environments</li> <li>Designed to fit the Domestic Go Power! BOOST 50-12 solar charge controller</li> </ul>	<ul style="list-style-type: none"> <li>Simply connect several solar modules in series</li> <li>Industry-standard MC4 quick connectors facilitate installation</li> </ul>	<ul style="list-style-type: none"> <li>Complies with the ECR R100.2 directive for approval of electric road vehicles</li> <li>Mandatory for solar installations on electric vehicles when voltages exceed 60 V DC or 30 V AC</li> <li>Orange sheathing alerts workshop staff of potential dangers</li> <li>Industry-standard MC4 quick connectors facilitate installation</li> <li>Fits Domestic Go Power! FLEX solar panels</li> </ul>

					
	<b>DOMETIC GO POWER! EBC-M2F / F2M</b>	<b>DOMETIC GO POWER! RBD</b>	<b>DOMETIC GO POWER! CEP</b>	<b>DOMETIC GO POWER! MC4</b>	
<b>Ref. No.</b>	EBC-M2F / 9620015803 EBC-F2M / 9620015804	9620015805	9620015806	MC4-F - female / 9620015807 MC4-M - male / 9620015808	
<b>Description</b>	Expansion branch connector, 1M x 2F or 1F x 2M	Reverse blocking diode	Cable entry plate	MC4 connector, F or M	
<b>Features</b>	<ul style="list-style-type: none"> <li>Interlocking connectors for easy parallel wiring of solar panels</li> <li>Compatible with all Go Power! Solar Flex and Rigid panels</li> <li>Ensures safe parallel or serial-parallel connection of PV-modules</li> </ul>	<ul style="list-style-type: none"> <li>Prevents reverse current flow in shaded panels for optimal efficiency</li> <li>Compatible with all Go Power! Solar kits, easy to install</li> <li>Protects cable connections, eliminates leaks for system longevity</li> </ul>	<ul style="list-style-type: none"> <li>Ensures tidy wire configuration, flexibility in rooftop installation</li> <li>Run wires close to the battery for efficient charging, minimal loss</li> <li>Compatible with industry-standard solar connector cables (SC)</li> </ul>	<ul style="list-style-type: none"> <li>MULTILAM technology for enduring stability and minimal loss</li> <li>Supports cross-sections up to 10 mm<sup>2</sup> for diverse applications</li> <li>Protection classes (IP66 and IP68) for guaranteed maximum tightness</li> </ul>	

# POWER FOR PROS

Four quality brands ensure reliable power supply for professional applications – on the road as well as on sitecomfort on the road or on-site facilities.

Mobile power systems by Dometic Professional help you to ensure your clients will always have enough power on board and on site. This is an invaluable advantage, as it contributes to improving service quality, efficiency and customer loyalty, avoids costly downtimes.




## BATTERY CHARGING

The Dometic range provides state-of-the-art charging technology for maximum availability of mobile battery power. MCA series automatic chargers are compact, lightweight and easy to install.

### Dometic PerfectCharge / 2415 / 2425 / 2440

3.39

IUOU battery charger

		MCA 2415	MCA 2425	MCA 2440
<div>MCA 2415</div>  <div>MCA 2425</div>  <div>MCA 2440</div> 	Charge outputs	2	3	3
	Input voltage	90 – 260 V	90 – 260 V	90 – 260 V
	Frequency	50 – 60 Hz	50 – 60 Hz	50 – 60 Hz
	End-of-charging voltage	14.4 / 14.7 V	28.8 / 29.4 V	28.8 / 29.4 V
	Float charging voltage	13.8 V	27,6	27,6
	Recommended battery capacity	40 – 170 Ah	75 – 300 Ah	100 – 400 Ah
	U0 phase limited at	8 h	8 or 16 h	8 or 16 h
	Energy efficiency up to	92 %	92 %	92 %
	Charging current	12.5 A	25 A	40 A
	Operating temperature	– 20 to +50 °C	– 20 to +50 °C	– 20 to +50 °C
	Dimensions (W x H x D)	179 x 63 x 238 mm	208.5 x 75 x 283 mm	208.5 x 75 x 303 mm
	Weight	1.6 kg	2.9 kg	3.9 kg
	Type of protection	IP 21	IP 21	IP 21
Product		Ref. No.		
PerfectCharge MCA 2415		9600000033		
PerfectCharge MCA 2425		9600000034		
PerfectCharge MCA 2440		9600000035		



# SINE WAVE INVERTERS

## Pure sine wave voltage for 230-volt devices




The 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. Due to their large input voltage range, they are also fine for modern EURO 6 vehicles with smart alternators.

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.

## Dometic SinePower DSP

3.16



Sine wave inverter

		DSP 224	DSP 424
DSP 224 	<b>Input voltage</b>	24 V DC (20 – 33 V)	
	<b>Output voltage / shape</b>	230 V AC / pure sine wave 	
	<b>Output Frequency</b>	50 Hz	50 Hz
	<b>No-load current input</b>	0.4 A	0.4 A
	<b>Continuous output</b>	150 W	350 W
	<b>Peak power</b>	300 W	700 W
	<b>Energy efficiency up to</b>	90 %	90 %
	<b>Dimensions (W x H x D)</b>	127 x 52 x 210 mm	127 x 52 x 210 mm
	<b>Weight</b>	1.1 kg	1.2 kg
	<b>Test mark</b>	e-certified (Automotive EMC Directive)	
DSP 424 	<b>Type of protection</b>	equivalent to IP 21	
	<b>Product</b>	<b>Ref. No.</b>	
	Dometic SinePower DSP 224	9600002540	
	Dometic SinePower DSP 424	9600002542	

## Dometic SinePower DSP

3.16

Sine wave inverter







		DSP 624	DSP 1024
DSP 624	<b>Input voltage</b>	24 V DC (20 – 33 V)	
	<b>Output voltage / shape</b>	230 V AC / pure sine wave 	
DSP 1024	<b>Output Frequency</b>	50 Hz	50 Hz
	<b>No-load current input</b>	<0.5 A	0.6 A
	<b>Standby current consumption</b>	0.2 A	0.2 A
	<b>Continuous output</b>	600 W	1000 W
	<b>Peak power</b>	1200 W	2000 W
	<b>Energy efficiency up to</b>	90 %	90 %
	<b>Dimensions (W x H x D)</b>	230 x 80 x 220 mm	230 x 80 x 240 mm
	<b>Weight</b>	2.8 kg	3.1 kg
	<b>Test mark</b>	e-certified (Automotive EMC Directive)	
	<b>Type of protection</b>	equivalent to IP 21	
DSP 1524		DSP 1524	DSP 2024
	<b>Input voltage</b>	24 V DC (20 – 33 V)	
DSP 2024	<b>Output voltage / shape</b>	230 V AC / pure sine wave 	
	<b>Output Frequency</b>	50 Hz	50 Hz
	<b>No-load current input</b>	<0.6 A	<0.8 A
	<b>Standby current consumption</b>	0.25 A	0.3 A
	<b>Continuous output</b>	1500 W	2000 W
	<b>Peak power</b>	3000 W	4000 W
	<b>Energy efficiency up to</b>	90 %	90 %
	<b>Dimensions (W x H x D)</b>	272 x 97 x 340 mm	272 x 97 x 360 mm
	<b>Weight</b>	4.9 kg	5.2 kg
	<b>Test mark</b>	e-certified (Automotive EMC Directive)	
	<b>Type of protection</b>	equivalent to IP 21	
DSP 2024 black version	Product	Ref. No.	
	Dometic SinePower DSP 624	9600002544	
	Dometic SinePower DSP 1024	9600002546	
	Dometic SinePower DSP 1524	9600002548	
	Dometic SinePower DSP 2024	9600002550	
	Dometic SinePower DSP 2024, black version	9600051691	



## Dometic SinePower DSP-T

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Comfort sine wave inverter

		DSP 1324T	DSP 1824T
DSP 1324T 	<b>Input voltage</b>	24 V DC (21 – 32 V)	
	<b>Output voltage / shape</b>	230 V AC / pure sine wave 	
	<b>Output Frequency</b>	50 / 60 Hz	50 / 60 Hz
	<b>No-load current input</b>	1.3 A	1.3 A
DSP 1824T 	<b>Standby current consumption</b>	0.1 A	0.1 A
	<b>Continuous output</b>	1300* W	1800 W
	<b>Peak power</b>	2400 W	3200 W
	<b>Energy efficiency up to</b>	90 %	90 %
DSP 2324T 	<b>Dimensions (W x H x D)</b>	284 x 118 x 405 mm	284 x 118 x 405 mm
	<b>Weight</b>	4.8 kg	6.1 kg
	<b>Priority circuit</b>	Integrated mains priority circuit with voltage synchronisation	
	<b>Test mark</b>	e-certified (Automotive EMC Directive)	
DSP 3524T 	<b>Type of protection</b>	equivalent to IP 21	
		DSP 2324T	DSP 3524T
	<b>Input voltage</b>	24 V DC (21 – 32 V)	
	<b>Output voltage / shape</b>	230 V AC / pure sine wave 	
	<b>Output Frequency</b>	50 / 60 Hz	50 / 60 Hz
	<b>No-load current input</b>	1.4 A	1.8 A
	<b>Standby current consumption</b>	0.15 A	0.15 A
	<b>Continuous output</b>	2300* W	3500* W
	<b>Peak power</b>	4000 W	6000 W
	<b>Energy efficiency up to</b>	90 %	90 %
	<b>Dimensions (W x H x D)</b>	284 x 118 x 481 mm	324 x 122 x 490 mm
	<b>Weight</b>	6.6 kg	10.9 kg
	<b>Priority circuit</b>	Integrated mains priority circuit with voltage synchronisation	
	<b>Test mark</b>	e-certified (Automotive EMC Directive)	
	<b>Type of protection</b>	equivalent to IP 21	
Product		Ref. No.	
Dometic SinePower DSP 1324T		9600002552	
Dometic SinePower DSP 1824T		9600002554	
Dometic SinePower DSP 2324T		9600002556	
Dometic SinePower DSP 3524T		9600002558	

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

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