



Article number: 231 448
Description: Inverter 4000 Pro

Inverters

Battery voltage	U_{DC}	24 V
Input voltage range:	U_{DC}	19 – 34 V
Continuous power output at 25 °C:	P_{AC}	4000 VA
Power output for 30 mins. at 25 °C:	P_{AC}	4500 VA
Power output for 5 secs. at 25 °C:	P_{AC}	12000 VA
Sinus output voltage	U_{AC}	230 V
Output frequency	f_{AC}	50 Hz
Distortion factor:	k	< 2 %
Load recognition:	P_L	1 – 25 W
cos ϕ of load:		0.1 – 1
Short circuit proof:		Yes
Overload protection:		Yes
Overheat protection:		Yes
Reverse battery protection:		Yes
Max. efficiency	η_{max}	94 %
Power consumption in OFF/Stand-by/ON	P_{DC}	1.7/2.0/16 W

Battery charger

Effective load current:	I_{DC}	0 – 100 A
Max. input voltage:	U_{AC}	265 V
Min. input voltage:	U_{AC}	150 – 230 V
Frequency range:	f_{AC}	45 – 65 Hz

Battery monitoring

Absorption load duration:		0 – 4 hrs.
End of charge voltage:	U_{DC}	28.8 V
Floating charge:	U_{DC}	27.2 V
Gassing, every 25 cycles:	U_{DC}	31.2 V
Final discharge voltage:	U_{DC}	21.6 V

General

Size (W x H x D):		288 x 480 x 242 mm
Weight:		39 kg
Protection class:		IP20
Operating temperature range:		-20 °C ... +50 °C
Ventilation:		≥ 45 °C

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The **Inverter 4000 Pro** combines 3 functions in one device.

- An inverter for converting a battery voltage into a sinusoidal AC voltage suitable for powering all mains-operated electrical devices.
- A powerful battery charger.
- An automatic transfer system for uninterrupted switching between DC and AC supply.

Quality features, certificates

- High efficiency across entire power range
- High overload capacity thanks to combination of toroidal core transformer and MOS-FET power transistors
- Digital control with microprocessor
- Real Sinus output voltage and therefore suitable for all AC electrical devices
- Rapid switching system between generator/mains operation and battery operation
- 4-stage battery charger (I/U/ U_0 /gassing with output factor correction)
- Full protection against overload, overheating, short circuit and reverse polarity
- Efficient, adjustable load characteristic switching
- Low noise operation
- CE mark