



**Article number:** 231 445  
**Description:** Inverter 500

Battery voltage	$U_{DC}$	24 V
Input voltage range:	$U_{DC}$	21 – 32 V
Max. input voltage:	$U_{DC, max}$	44 V
Continuous power output at 25 °C:	$P_{AC}$	500 VA
Power output for 30 mins. at 25 °C:	$P_{AC}$	600 VA
Power output for 5 secs. at 25 °C	$P_{AC}$	1000 VA
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Sinus output voltage	$U_{AC}$	230 V
Output frequency	$f_{AC}$	50 Hz
Distortion factor:	$k$	< 5 %
cos $\varphi$ of load:		0.1 – 1
Short circuit proof:		Yes
Overload protection:		Yes
Overheat protection:		Yes
Reverse battery protection:		Yes
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Max. efficiency:	$\eta_{max}$	94 %
Power consumption in "Stand-by"	$P_{DC}$	0.4 W
"ON" in open circuit.	$P_{DC}$	8.5 W
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Size (W x H x D):		249 x 250 x 167 mm
Weight:		6.5 kg
Protection rating (DIN 40050):		IP23
Operating temperature range:		-20 °C ... +50 °C

### Inverter: Inverter 500

The **Inverter 500** converts DC current from batteries into AC current for powering all mains-operated 230 V electrical devices.

### Quality features, certificates

- Highly efficient, even with small loads
- 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
- Full protection against overload, overheating, short circuit and reverse polarity
- Adjustable, automatic load characteristic switching
- Simple installation with 4 screws accessible from outside
- CE mark