

DC-DC Converters

FEATURES

- Advanced switchmode design
- Mount in almost any location
- Compact and light weight
- 24/12Vdc DC-DC converter
- 12Vdc or 24Vdc dimmer
- 3 step 24Vdc-12Vdc battery charger
- Remote switch option
- 2 Year Warranty

APPLICATIONS

- Heavy trucks
- Marine
- Solar
- Industry



20 Amps

TECHNICAL SPECIFICATIONS

Model	MPC-20
CAUTION! THERE IS NO ISOLATION BETWEEN THE INPUT AND THE OUTPUT INPUT AND OUTPUT HAVE A COMMON NEGATIVE	
Input	
Nominal input voltage	24VDC
Input range, three step charge mode	18..35VDC
Input range, full output specifications	18..35VDC
Input range, no defects	0..35VDC
Lower input setpoint, adjustable by software	20.0VDC
Delay lower inputsetpoint, adjustable by software	30 sec.
Output	
Nominal output voltage	13.6VDC
Voltage adjustment	12..15VDC
Charge voltage 3 step	14.40/13.80VDC
Absorbtion time	4 hr
Battery tempensor	yes, 50mv/cell/c
Output voltage dimmer 12V	4.0 - 12Vdc / 8.0 -24Vdc
Output accuracy 24V	2%
Output voltage ripple, peakpeak	1%
Maximum output power /Continuous output power	300W / 270W
Maximum output current	20A
Continuous output current at 40°C	20A

Technical Specifications subject to change without notification.

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TECHNICAL SPECIFICATIONS

General	
Efficiency	>90%
No load consumption	<30mA
Ambient operating temperature	-10°C .. +40°C, de-rating to +60°C
Storage temperature	-25°C .. +85°C
Operating humidity	95% max, non-condensing
Galvanic insulation	None Common negative
Cooling	Temperature regulate Forced ventilation
Protections	
Overcurrent / short circuit	Limited by current sensing
Over heat, shutdown	Limited power by temperature sensor
Options	
Dimmer fuction 12Vdc or 24Vdc	yes, activated by dipswitch
Remote switch connection	yes, faston connection
Mechanical	
Connections	Flat tab 6.3 mm
Enclosure Dimensions (H*W*D)	66x190x123 mm
Weight	0,9 Kgs
Protection class	IP20

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