

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 | 24..32VDC |
| 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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