



48DC12-240 DC TO DC CONVERTER

The 48DC12-240 supports 48V Lithium-Ion upgrades in a 12V infrastructure. Other combinations of voltages are also available.

The 48DC12-240 Features:

- Optional LCD remote display
- Thermally controlled cooling fan
- Provides automatic electronic short circuit/overload protection, and automatic over-temperature shutdown
- Local status LED provides converter troubleshooting information at a glance
- Low battery protection automatically shuts down converter at 40.0 VDC with inrush delay
- High surge rating for large motor loads
- Rugged design for RV/Mobile environments
- Wide operating temperature range
- Provides parallel and/or redundant operation for up to three units
- Other voltage and current ratings available, contact factory for more information

CONVERTER SPECIFICATIONS

48DC12-240

Input battery voltage range	40.0- 50.0 VDC, 44VDC Nominal
Surge voltage	Up to 60 VDC
Maximum output voltage	14.4 VDC
Nominal output voltage	12.6VDC
Idle current (typical)	Up to 900 mADC
Continuous output power	3000 Watts @ 25°C
Output current (nominal)	240 ADC
Input current	Up to 80 ADC
Peak power (typical)	6000 Watts
Peak output current (typical)	480 ADC
Efficiency	91% at 40% of rated load, 84% at 100% rated load
Operating temperature	-20° C to +65° C (-4° F to 149° F)
Input/Output terminals	Terminal pads for 3/8" ring lugs
Dimensions (l x w x h)	13.8" x 17.1" x 8.0" (35.1cm x 43.4c 20.3cm)
Weight	68 lb (30.8 kg)
Limited warranty	Three years

Ambient Temp Derating, 44Vdc

