



## 48DC24-75 DC TO DC CONVERTER

The 48DC24-75 supports 48V Lithium-Ion upgrades in a 24V infrastructure. Other combinations of voltages are also available.

### The 48DC24-75 Features:

- Optional LCD remote display
- Thermally controlled cooling fan
- Provides automatic electronic short circuit/overload protection, and automatic over-temperature shutdown
- 48VDC input provided with a pre-attached pluggable connector with 4ft cable (other options available)
- 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	48DC24-75
Input battery voltage range	40.0- 50.0 VDC, 44VDC Nominal
Surge voltage	Up to 60 VDC
Maximum output voltage	28.8 VDC
Nominal output voltage	25.2 VDC
Idle current (typical)	900 mADC
Continuous output power	1800 Watts @ 25°C
Output current (nominal)	75 ADC
Input current	Up to 50 ADC
Peak power (typical)	3600 Watts
Peak output current (typical)	140 ADC
Efficiency	90% at 50% of rated load
Operating temperature	-20° C to +65° C (-4° F to 149° F)
Input connector	Anderson Power SB®50 992G4 (colored blue)
Dimensions (l x w x h)	13.4" x 14.5" x 5.7" (34.0cm x 36.8cm x 14.5cm)
Weight	42 lb (19.1 kg)
Limited warranty	Three years