

250 Watts

HELIOS™

MiniPack 250

250 Watt 48VDC Compact Power Solution



Special Features

- 250W Output
- Fixed DC Output Voltage: (-54.4 VDC)
- Convection Cooled
- Power Factor Correction
- Current Sharing of up to three units mountable on 19" or 23" brackets
- Soft Switching Technology
- Full Output Power at Full Temperature Range
- AC Connection through IEC Type Connector
- 2 DC power connections for load and/or battery strings
- 2 Alarm LED's at front - RFA alarm, AC Fail
- Compact Size (2.48" inches High x 5.23" wide x 11.85" deep)

Environmental

EMC/EMI: FCC Class B, part 15, subpart B, and Bellcore 1089

ESD: TR-NWT-001089, 15 kV no damage, 2 kV no disturbance

Temperature and Humidity: -40°C to +50°C (up to +65°C with sufficient air flow)

Acoustic Noise: <55 dB with 'A' weighting

Cooling: Natural Convection

Shock and Vibration: TR-NWT-000063

Fire Resistance: All materials UL 94-VO

Electrical Specs

Input

AC Input Voltage Range	110 Vrms (86 - 132)
Frequency	50-60 Hz (45-65 Hz)
Efficiency	>86%
Power Factor	0.99 for > 50% rated output current
Total Harmonic Distortion	<5% for >50% rated output current

Output

DC Output Voltage Range	-54.5 VDC +/- 0.5%
Maximum Output Power	250 W (4.6 ADC @ -54.5 VDC)
Voltage Regulation	± 0.5%
Dynamic Response	± 0.5%
Protection and/or Disconnect	Internal DC Fuse
Parallel Operation	± 10% of rated current between rectifiers
Power Limit	102.5% ± 2.5% of rated power
Capacitor Precharge	Automatic upon insertion of rectifier
Hold-up Time	Vout remains >42 V for 30 msec
Voice Frequency Noise	<55 dB mC
High Frequency Noise (wideband)	<100 mVrms

Safety

- UL 1950
- IEC 950
- CSA C22.2 # 950

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Ordering Information

Input Voltage	Output Voltage	Total Power	Model Number
110 VAC	-48 VDC	250 W	MS250
Option: Bracket to mount 1 to 3 systems on 19" or 23" bracket			Model # P0876085

