

175 Watt AC - DC switching power supply battery charger for telecommunication systems

Main Features

- Compact size - low weight
- High efficiency - free convection cooled
- Superior low output noise
- Meets FCC - 68 part 15 & VDE 871 class B requirements
- Operating temperature range -25°C to +71°C with no derating
- Telecommunications application - low psophometric noise
- Fully protected for over-load, short-circuit & over-voltage
- Battery reversal protection
- TUV, UL & CSA approved
- LBLD - Low Battery Load Disconnection



Typical applications

- PABX and KEY systems
- Mobile telephone systems
- Transmitter & receiver systems
- True power supply / battery charger
- Industrial and railway systems

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Ordering Information

Model No.	Voltage	Current	R & N	Efficiency
PS2008-12	13.8	10	60	76%
PS2008-24	27.6	6	60	77%
PS2008-48	52.4	3.6	100	79%
PS2008-60	65.2	3.0	100	80%

Input

- 85 - 132VAC or 170 - 265VAC (jumper selectable)
- Input frequency 47 - 440Hz
- Input inrush current 25A @ cold start
- Input reflected ripple per FCC 68 part 15 & VDE 871 class B

Output

- Output voltage - Per model No. See table above
- Output current - Per model No. See table above
- Voltage regulation - +/- 1% Max.
For load and line variation
- Temperature compensation -
Internal ~ -4.2mV/°C per cell
- Voltage set point -
Internal trim-pot +/- 5%
- Hold-up time - 16 msec minimum at full load
- Separate output connectors for Battery and loads
- Isolation - input/output, input/case >3750VAC
- Low battery load disconnection /
- Battery reversal protection
- Protection - output protected against over-load short-circuit and over-voltage
- Manual charger On/Off switch

Environmental

- Operation temperature range
-25°C to +71°C
- EMI / RFI - Meets VDE 0871
class-B requirements
EN-55022 & IEC-1000 requirements
- Storage temperature range
-25°C to +85°C
- MTBF - Higher than 250,000 hours
- Safety - EN-60950 UL-1950 and CSA-22.2

Mechanical

- Size - 213x130x50,8 mm
- Cooling - free convection
- Weight - 1.25 Kg. Max.
- Input AC connection ± T.B #6 screw
- Load connection - two pin MOLEX conn.
- Battery connection - two pin MOLEX conn.
- Bit connection - eight pin MOLEX conn.

Indication & Control

- Charger OK - Red LED
- AC OK - open collector
- LOW-BATT. warning - open collector
- Battery disconnect disable

Outline Drawing

