



IPC4840 Series

Rack Mount Enclosures

IPC4840 series from IPC LTD is a very compact DC Power system available in both 19inch 1U rack-mount configurations with an integrated distribution unit. The system features a 1000W rectifier that is shallow enough to support subrack mounting in a 280mm deep cabinet. Cables are connected on the rear of the system to simplify equipment integration. IPC4840 -48V DC system is the ideal solution for power plants in the smaller access segment.

Main Features

- Power System up to 2kW
- High efficiency R48-1000 rectifier
- Hot replacement
- 92% efficiency
- External alarms

Applications

Network Applications
Telecommunication/data networks

Technical Specifications

1. Input

Input Mode	220Vac single phase
Input Voltage	85Vac-300Vac, rated: 220Vac
Frequency	45 to 65 Hz
Current	2x6.8A max @2kW
AC Input	2x10A
Power Factor	>0.99 for 50%-100% load
THD (Total Harmonic Distortion)	≤5% for 50%-100% load

2. Output

Voltage Range	-42 to -58V DC, default value:53.5V DC
Maximum Capacity	2kW maximum (2x1000W rectifier)
Load Fuse	4x10A, 2x20A
Battery Fuse	2x40A
LVD Contactor	80A
External Alarm	3xRelay dry contacts output

3. General

Dimension	440mm (W) × 280mm (D) × 44.5mm (H)
Weight	<7kg
Efficiency	92,0%
Cable Mode	Rear input/output
Maintenance	Front maintain, hot replacement
Temperature Range	-40 to 80°C,-40 to +176°F
Humidity	0 to 95%
Safety	IEC 60950, EN 60950, UL 60950
EMC	ETSI EN 300 386 class B, FCC CFR 47 Part 15 class B, Telcordia GR-1089-CORE class B

4. Control and Monitoring

Communication	RS232, Ethernet
Protocol	HTTP, SNMP, YDN23, EEM, SocTpe, Rsoc
Display Mode	LCD screen/WEB
Model	Standard Control Unit

