



IPC48200/1500 Series

Outdoor Enclosures

The IPC48200/1500 Series is a compact and flexible enclosure solution for housing electronics, distribution, and battery backup equipment in outdoor telecom networks. To provide maximum protection for your equipment investment, the IPC48200/1500 Enclosure is designed and tested to withstand the most severe environmental conditions. Thermal management is achieved through use of air conditioner cooling which keeps electronics from exceeding their optimal temperatures, yet never introduces outside air and pollutants into the equipment chamber. The IPC48200/1500 series cabinet is extremely flexible, and a modular approach is taken wherever possible so the cabinet can be quickly configured to meet your exact requirements.

Main Features

- Power System up 10kW
- 1500W Air conditioner
- 600W Heater
- 9U User Space
- High efficiency R48-2000e3 rectifier
- Hot replacement
- Easy to maintain
- High degree of protection (IP55)
- External alarms

Applications

- Outdoor communication base stations
- Outdoor communication access points
- Communication stations with outdoor power supply

Technical Specifications

1. Input

Input Mode	220/380Vac three phase
Input Voltage	85 to 300 Vac
Frequency	45 to 65 Hz
Current	5x12A max @10kW
AC Input	1x32A/3P MCB
Power Factor	>0.99 for 50%-100% load
THD (Total Harmonic Distortion)	5% for 50 %- 100% load at 208Vac, 220Vac, 230Vac, 240Vac
SPD (Parafudr)	Class II

2. Output

Voltage Range	-42 to -58V DC, default value:53.5V DC
Maximum Capacity	10kW maximum (5x2kW rectifier)
Load Fuse	LLVD1(80A); 4x10A MCB LLVD2(200A); 8x32A, 2x100A MCB LLVD3(200A); 2x32A, 4x63A MCB
Battery Fuse	2x63A MCB
AC user socket	10A single-phase AC socket
External Alarm	8xdigital input; 8xrelay dry contacts output

3. General

Dimension	700mm (W) × 700mm (D) × 1950mm (H) (height includes top cover and base, depth excludes base and protruding part of the cabinet door)
Weight	≤ 240kg (excluding modules and batteries)
Efficiency	96,2%
Lock	Electronic anti vandal lock with remote access code change capability
Environment Unit	TCU (temperature sensor, smoke sensor, micro switch and vibration)
Heating Unit	1set, power: 600W (max. 2 set)
Cooling Unit	1set, cooling capacity: 1500W air conditioner
Cable Mode	Bottom input/output
Maintenance	Front maintain, hot replacement
Protection Level	IP55
Temperature Range	-40 to 80°C,-40 to +176°F
Humidity	0 to 95%
Safety	UL 60950-1;EN 60950-1;IEC 60950
EMC	ETSI EN300 386: 2005, Class B. FCC CFR 47 Part 15, Class B conducted and radiated EN55022, Class B conducted and radiated CISPR22, Class B conducted and radiated Telcordia GR-1089-CORE issue 6

4. Control and Monitoring

Communication	RS232, RS485, Ethernet, USB
Protocol	IPv4, IPv6, HTTPS, SNMP V 2/ V 3, EEM, SocTpe, Rsoc, Mod Bus
Stroge Capacity	4000 history records, 60000 real time records
Display Mode	LCD screen/WEB
Model	M830B Netsure Control Unit (NCU)

