



# IPC48250/1500 Series

## Outdoor Enclosures

The IPC48250/1500 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 IPC48250/1500 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 IPC48250/1500 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 12kW
- 1500W Air conditioner
- Free Cooling
- 10U User Space
- High efficiency R48-3000e3 rectifier
- Hot replacement
- Easy to maintain
- High degree of protection (IP65)
- 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
AC Input	1x50A/3P MCB
Power Factor	>0.99 for 50%-100% load
THD (Total Harmonic Distortion)	5% for 50 %- 100% load at 208Vac, 220Vac
SPD (Parafudr)	Class II

### 2. Output

Voltage Range	-42 to -58V DC, default value:53.5V DC
Maximum Capacity	12kW maximum (4x3kW rectifier)
Load Fuse	LLVD; 2x125A, 3x32A MCB BLVD; 1x16A, 3x32A, 1x63A MCB
Battery Fuse	3x200A
AC user socket	10A single-phase AC socket
External Alarm	4xdigital input; 4xrelay dry contacts output

### 3. General

Dimension	700mm (W) × 700mm (D) × 2000mm (H) (height excludes top cover and base, depth excludes base and protruding part of the cabinet door)
Weight	≤ 240kg (excluding modules and batteries)
Efficiency	95,7%
Environment Unit	TCU (temperature sensor, smoke sensor, micro switch and water)
Cooling Unit	1set, cooling capacity: 1500W air conditioner & free cooling
Cable Mode	Bottom input/output
Maintenance	Front maintain, hot replacement
Protection Level	IP65
Temperature Range	-40 to 70°C,-40 to +158°F
Humidity	0 to 95%
Safety	EN 60950-1;IEC 60950
EMC	ETSI EN300 386: 2005, Class A. EN55022, Class A

### 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)

International  
Power  
Conversion