



IPC48200/900 Series

Outdoor Enclosures

The IPC48200/900 series is an integrated communication power supply solution for outdoor applications, developed by IPC LTD, based on several years of experience in R&D and design of communication powers and outdoor cabinets. It mainly comprises of centralized power supply, AC/DC distribution unit, lightning protection system, temperature control system, anti-theft system, battery chamber, equipment chamber, and 2U user space.

Main Features

- Power System up 10kW
- 900W Airconditioner
- 2U User Space
- Ultra High efficiency R48-2000e3 rectifier
- Hot replacement
- Easy to maintain
- High degree of Ingress Protection i.e. 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 | 5x16A MCBs |
| 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 I+II, 275V 40kA |

2. Output

| | |
|------------------|--|
| Voltage Range | -42 to -58V DC, default value:53.5V DC |
| Maximum Capacity | 10kW maximum (5x2kW rectifier) |
| Load Fuse | 3x32A, 3x63A MCB |
| Battery Fuse | BLVD; 1x80A MCB |
| LVD Contactor | 1x200A |
| External Alarm | 8xdigital input; 8xrelay dry contacts output |

3. General

| | |
|-------------------|--|
| Dimension | 640mm (W) × 550mm (D) × 870mm (H) (height excludes top cover and base) |
| Weight | <112kg (excluding batteries) |
| Efficiency | 96,2% |
| Cooling Mode | 900W Airconditioner |
| 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) |



IPC Mühendislik Elektrik Elektronik San. ve Tic. Ltd. Şti.
Yenisahra Mah. İnönü Cad. Kanarya Sok. No:20/1-2 34746 Ataşehir/İSTANBUL
Tel:+90 (0216) 317 41 42 Fax: +90(216)472 90 66