



IPC482000 Series

Central Office Power Application

IPC482000 Series is a standalone type -48V DC power system with AC distribution, rectifier unit and DC distribution in a single cabinet. Configured with 96,7% high efficiency rectifiers, the system can reach max. 105kW output. It has tremendous features such as high reliability, huge energy saving, high power density and precise management, etc.

Main Features

- Power system up 105kW
- Ultra high efficiency R48-3500e rectifier
- Hot replacement
- High power density
- Precise battery cell management, improving power backup reliability
- External alarms

Applications

Central office
 Aggregation office
 Data center
 Enterprise communication network

Technical Specifications

1. Input	
Input Mode	220/380Vac three phase
Input Voltage	85Vac-300Vac, rated: 220Vac
Frequency	45 to 65 Hz, rated: 50Hz
Current	30x18.5A max @105kW
AC Input	30x20A 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)	20kA/40kA, 8/20µs

2. Output	
Voltage Range	-42 to -58V DC, default value:54.5V DC
Maximum Capacity	105kW maximum (30x3500W rectifier)
Load Fuse	2x(2x630A) NH Fuse Disconnecter
Battery Fuse	2x(2x6300A) NH Fuse
External Alarm	4xdigital input, 4xrelay dry contacts output

3. General

Dimension	600mm(W)×600mm(D)×2000mm(H)
Weight	<230kg (excluding rectifiers)
Efficiency	96,7%
Installation mode	Floor installation(antistatic floor or ground installation)
Cooling Mode	Natural cooling
Cable Mode	Top input/output
Maintenance	Front maintain, hot replacement
Protection Level	IP20
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)

