



EPC48120/1800-HB5

Outdoor Enclosures

The EPC48120 series is an integrated communication power supply solution for outdoor applications. It mainly comprises of centralized power supply, supervision module, AC/DC distribution unit, lightning protection system, temperature control system, anti-theft system, battery chamber, equipment chamber, and 8U user space. It is also configured to bring an alternate solar energy source for the sites. It comes in two variants i.e. south & north type based on ambient temperature and further sub classified according to the cabinet dimensions i.e. integrated (A/C) and split type (B/D) cabinets. It is equipped with advanced supervision & control module which ensures superior efficiency, optimal temperature control, prolong to service life of the battery, and reduces the noise.

Main Features

- Power System up 8kW
- HEX 40W/K for equipment compartment
- Heater unit 630W for equipment and battery compartment
- 8U User Space
- 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	4x12A max @8kW
AC Input	1x25A, 3 pole for DC power + adaptation of input for 3phase AC grid
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	8kW maximum (4x2kW rectifier)
Load Fuse	BLVD (80A): 1x32A, 2x16A LLVD (80A): 2x32A, 5x25A
Battery Fuse	2x63A MCB
External Alarm	6x alarm relays, 3xDI

3. General

Dimension	600mm (W) × 610mm (D) × 1570mm (H), the depth includes 80mm projecting portion
Weight	<110kg (excluding batteries)
Efficiency	Normal: >94%, efficient: >96%
Cooling Mode	HEX 40W/K for equipment compartment 2xHeater unit 630W for equipment and battery compartment
Cable Mode	Bottom input/output
Maintenance	Front maintain, hot replacement
Protection Level	IP55
Temperature Range	-40°C ~ +45°C (North type model)
Humidity	5%RH ~ 100%RH
Safety	UL 60950-1;EN 60950-1;IEC 60950

4. Control and Monitoring

Communication	RS232,Ethernet
Protocol	HTTP, SNMP, YDN23, EEM, SocTpe, Rsoc
Display Mode	LCD screen/WEB
Model	M521S

