# EPC48300/2900 Series

Outdoor Enclosures

**VERTIV**

## Features

- Houses a centralized power supply system, cooling system, environmental monitoring, and battery backup system among others

- Large space for flexible application: the user equipment and battery chamber can share the same space, which can be flexibly adjusted based on the user requirements.

- Highly reliable temperature control system: the system integrated various temperature control units include a heat exchanger, air conditioner, and heater which can be flexibly configured according to the on-site environment. The temperature in the cabinet can be adjusted in an intelligent way.

- High degree of protection (IP55)

- The cap of the cabinet adopts a bevel design, eliminating accumulation of rain water and snow; the base adopts an extensional design, facilitating system installation & maintenance.

- Comprehensive ECCUP environment monitoring system applications: the system performs monitoring and alarm uploading for the power supply system, temperature control unit and all environmental variables; provides different environment variable detection data to meet the practical user requirements.

- Integrate different communication interfaces including RS232/485 and TCP/IP, etc. and helps realize system alarm uploading and remote monitoring.

- CE certified.

## Description

The EPC 48300/2900 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 EPC 48300/2900 Enclosure is designed and tested to withstand the most severe environmental conditions. Thermal management is achieved through use of heat exchanger or air conditioner cooling which keeps electronics from exceeding their optimal temperatures, yet never introduces outside air and pollutants into the equipment chamber.
The EPC 48300/2900 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.

## Application

This cabinet can economically house a variety of next generation electronic equipment including telco backhaul, fiber distribution, and radio equipment for wireless applications.



*EPC48300/2900-M2*      *EPC48300/2900-M21*      *EPC48300/2900-F2*



*EPC48300/2900-H2*      *EPC48300/2900-A2*

| Model Name | | EPC48300/ 2900-M2 | EPC48300/ 2900-M21 | EPC48300/ 2900-H2 | EPC48300/ 2900-F2 | EPC48300/ 2900-A2 |
|---|---|---|---|---|---|---|
| Power supply system (optional) | | Vertiv 19 inches NetSure™ Power system | | | | |
| AC user socket | | 10 A single-phase AC socket | | | | |
| Temperature control | Equipment Chamber | Heat exchanger: 80 W/K | Forced ventilation: 1500 W | Heat exchanger: 150 W/K | Forced ventilation: 1500 W | Precise air-conditioning: 1500 W cooling, 1200 heating, Standard emergent ventilation |
| | Battery Chamber | Precise air-conditioning: 300 W cooling, 600W heating; emergent ventilation, (optional) | | Natural ventilation | | |
| | Heater (Optional) | Equipment chamber 600 W | | Equipment chamber: 600 W; Battery chamber: 600 W | 600 W or 1200 W | 600 W |
| Environment Monitorning | Standard | LED lighting, access control switch | | | | |
| | Optional | ECCUP (optional temperature and humidity sensor, smoke sensor, flood sensor vibration and inclination) | | | | |
| Reserved space | | 36 U flexible 19 inches space shared by power system, batteries and user equipment | | | | |
| Protection class | | IP 55 | | | | |
| Optional parts | | Network interface board, AC distribution unit, heater component, rectifier module blank panel, cabinet base cover plate | | | | |

| Mechanical Parameters | | EPC48300/ 2900-M2 | EPC48300/ 2900-M21 | EPC48300/ 2900-H2 | EPC48300/ 2900-F2 | EPC48300/ 2900-A2 |
|---|---|---|---|---|---|---|
| Power supply system (optional) | Cabinet | 700 mm(W) × 700 mm(D) × 2030 mm(H), including base and cap | | | | |
| | Battery chamber | 610 mm(W) × 580mm(D) × 330mm(H) each layer | | | | |
| AC user socket | | ≤235 kg (excluding module and battery) | ≤210 kg (excluding module and battery) | ≤215 kg (excluding module and battery) | ≤ 185 kg excluding module and battery) | ≤ 240 kg (excluding module and battery) |