# EPC4860 Series
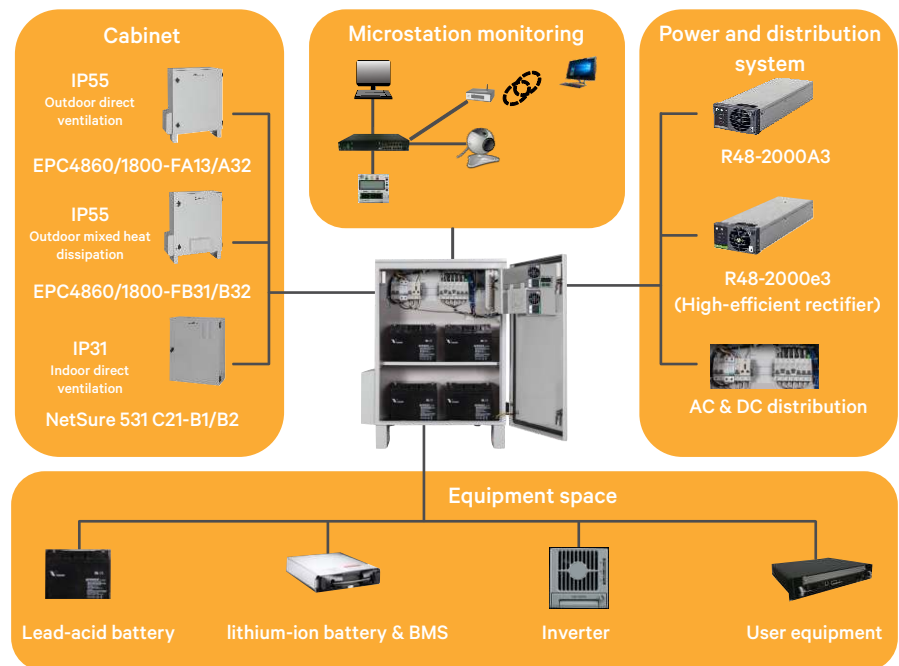Micro station Power Solution


**VERTIV.**

## Key Features

- Total solution: Integrating the rectifier module, monitoring module, AC distribution, DC distribution, etc.

- Supports the sleep mode fucntion and a combination of high-efficiency and normal rectifier module.

- High degree of ingress protection : IP31 for indoor system, IP55 for outdoor system.

- 4U user space for batteries, inverter and other equipment.

- Cooling design: Patented heat ventilation design, efficiently expels the heat in battery and equipment chambers.

- Optimal battery management and optional TEC air conditioner temperature control, effectively prolonging the battery use life.

- Compact structure and full frontal access for easy, flexible installation & maintenance.

- Supports multiple types of installations such as wall, pole, & floor mounting.

## Description

The EPC4860 series is a small and compact enclosure solutions for housing a power distribution unit, controller, rectifier, cooling fan, heater (only applicable to EPC4860/1800-FB31/FB32) and reserved space used to accommodate user equipment. The reserved space in the cabinet can be installed with lead-acid battery or standard 19-inch equipment.

## Applications

- LTE coverage power
- RRU independent power and microstation power
- Remote mobile equipment power



**Cabinet**

IP55
Outdoor direct ventilation

EPC4860/1800-FA13/A32

IP55
Outdoor mixed heat dissipation

EPC4860/1800-FB31/B32

IP31
Indoor direct ventilation

NetSure 531 C21-B1/B2

**Microstation monitoring**

**Power and distribution system**

R48-2000A3

R48-2000e3
(High-efficient rectifier)

AC & DC distribution

**Equipment space**

Lead-acid battery          lithium-ion battery & BMS          Inverter          User equipment

# EPC4860 Series



**VERTIV**™

| Product Model | EPC4860/1800-FA31/B31 | EPC4860/1800-FA32/B32 | NetSure 531 C21-B1 | NetSure 531 C21-B2 |
|---|---|---|---|---|
| Monitoring module | M225S | | | |
| Rectifier module | 2 x R48-2000A3, R48-2000e3 | | | |
| AC distribution | 1 x 63A/2P, Single Input | | 1 x 63A/2P, Single Input | 1 x 63A/2P, Single Input |
| | 1 x 10A/2P, Socket output | | | |
| AC lightning Protection | Level C: In=20kA, Im=40kA | | Optional | |
| DC Lightning Protection | In=10kA, Im=15kA | | Optional | |
| DC Distribution | 1 X 32A/1P; 2 x 16A/1P; 2 x 10A/1P | | | |
| Battery Breaker | 1 x 63A/1P breaker | | | |
| Cabinet Space | Lead-acid battery 40Ah, one group | 4U equipment space compatlable with Iron-lithium battery | Lead-acid battery 40Ah, one group | 4U equipment space compatiable with Iron-lithium battery |



EPC4860/1800-FA31/A32

## System Parameters — Description

| | | Description |
|---|---|---|
| Environment | Operational Temperature | EPC4860/1800-FA31/32,NetSure 531 C21-B1(B2) : -10 °C to +45 °C  EPC4860/1800-FB31/32:-40 °C to +45 °C |
| | Storage Temperature | -40 °C to +70 °C |
| | Relative Humidity | 5%RH-95%RH |
| | Altitude | ≤2000m (Derating when higher than 2000m) |
| AC Input | Input | Three wires, single phase |
| | Rated Voltage | 220Vac |
| | Voltage Range | 85Vac - 300Vac |
| | AC Voltage Frequency | 45Hz- 65Hz |
| | Power Factor | ≥0.99 |
| DC Output | Voltage Range | -43.2Vdc to -57.6Vdc |
| | DC Voltage | -54.0Vdc |
| | DC Current | 0~60A (Output Voltage is -54V) |
| System Effiency | | ≥93.5% |



EPC4860/1800-FB31/B32

## Mechanical Parameters

| | | |
|---|---|---|
| Cabinet Dimensions | EPC4860/1800-FA31(2) | 610mm(W)×250mm(D) ×700mm(H) (Without base) |
| | EPC4860/1800-FB31(2) | 610mm(W)×290mm(D) ×700mm(H) (Without base) |
| | NetSure 531 C21-B1(B2) | 550mm(W)×250mm(D) ×700mm(H) (Without base) |
| Cabinet Space | Lead-acid battery Installed | 428mm(W)×173mm(D) ×430mm(H) |
| | 19" Equipment Installed | 483mm(W)×180mm(D) ×390mm(H) |
| Weight (kg) | | ≤33kg(including package and two rectifiers) |



NetSure 531 C21-B1/B2