

Benefits

- Rectifier module adopts DSP technology power density up to 15.8W/in³
- Wide input voltage range (85 to 290 Vac), adaptable to various grids
- Front access and space efficient. System can be positioned next to wall
- Intelligent battery management function that expands lifetime
- Hot swap and online maintenance



PS48600-3/2900-X5



PS48400-3/2900-X5

PS48600-3/2900-X5

PS48400-3/2900-X5 Medium System

Emerson Network Power has developed PS48600-3/2900, PS48400-3/2900 medium power system with many years' R&D and operation experiences. The system adopts DSP technology, completely meeting demands of customers worldwide with high reliability, high efficiency and high performance.

The system includes 2series products: PS48600-3/2900 2m cabinet, including 12 rectifiers of total capacity up to 600A; PS48400-3/2900 1.6m cabinet, including 8 rectifiers of total capacity up to 400A. The rectifier is equipped with high efficiency, high reliability, super-low radiation and easy maintenance and fully meets -48Vdc power demands of medium and large mobile base stations, medium exchanges, transmission relay stations, microwave communications stations and satellite communications stations

Applications

- 2G, 3G mobile base stations
- Medium exchanges, rural telecom networks and access networks
- Transmission relay stations
- Microwave/satellite communications stations

Key Features

- Rectifier module adopts DSP technology with efficiency up to 93% and power density of 15.8W/in³
- In compliance with international standards such as CE and applicable for residential environment
- Wide input voltage range (85 to 90Vac), adaptable to poor electric power
- Rectifier module can operate in an environment of 65°C
- Rectifier ID identifying function, convenient for customer assets management
- Digitized current sharing technology with high stability and precision up to 3%
- Intelligent battery management function that expands lifetime
- Complete AC, DC and signal port lightning proof
- Highly intelligent in monitoring and remote control
- Hot swap and online maintenance

M500F Monitoring Module

M500F monitoring module adopts built-in Intel 80386EX CPU as main controller, RTOS(Real Time Operation System) as operation system. The system not only collects, processes and transmits monitoring data of power distribution and rectifying, but also intelligently manages battery based on these data.

R48-2900 Rectifier Module

Based on power system maintenance requirements, rectifying module adopts world-leading power and electronics technology and DSP technology with built-in advanced microprocessor, unique heat exchange design combining both natural cooling and forced cooling and soft switch technology

AC Distribution

Two 100A mains inputs in manual switchover mode
As high as 40kA(8/20 μ s) lightning strike endurable

DC Distribution

Load low voltage disconnection protection (optional) and battery low voltage disconnection protection; both fuse and MCB available for DC output protection

Dimensions And Weight

Model	W × D × H(mm)	Weight(Kg)
PS48600-3/2900-X5	600 × 600 × 2000	162(Rectifier included)
PS48400-3/2900-X5	600 × 600 × 1600	147(Rectifier included)



Monitoring Module
M500F



Rectifying Module
R48-2900



DC Distribution