

Benefits

- Reliable operation in rural environments- where AC conditions are harsh
- Easy to expand because of hot-swap rectifier modules
- Wall-mount style saves room space



PS4875/25

PS4875/25 Small System

PS4875/25 is wall mounted one cabinet system integrated with AC and DC distribution units, and can provide up to 75A for -48Vdc. This system is based upon HD4825-3 rectifier module, which offers high power density, high efficiency, and accurate load sharing between rectifier modules. Systems are monitored and controlled by PSM-A10 which offers RS232 and dry contact interface, and can connect with modem or PSNA card to realize remote monitoring

PS4875/25 is optimized for fiber repeater station power applications. This system offers advanced features including intelligent battery monitoring, remote monitoring and low voltage disconnection. This is suitable choice for installation in region with poor AC regulation. In addition, there is AC surge protection provided in the AC distribution unit

Applications

- Data Center
- Small Telecom Exchanges
- Amplifier Sites
- Fiber Repeater

Key Features

- Providing up to 75A in one cabinet
- Full current available to -58Vdc
- Wide input voltage window and enhanced AC surge protection
- Front access design for easy installation and maintenance
- Optional Priority load function to support critical load functions
- LCD display for alarm and components status
- Optional remote monitor and control

PSM-A10 Controller

PSM-A10 is a microprocessor based monitoring and control unit that is used in PS4875/25 power system. This unit has been specifically developed to provide monitoring, management and indication for DC power system. LCD front display and keyboard provide the system operational condition, setting and control. RS232 provides connectivity for remote monitoring via modem or PSNA card, at the same time, dry contact can also provide remote alarms for system. Multi-level password access is provided for safety operation

HD4825-3 Rectifier Module

The rectifiers are rated 25A and deliver 1450W at 58Vdc. The rectifier has adaptation power limiting control mode to ensure sufficient output even when the input voltage is low. The rectifiers also have advanced short circuit feedback protection. When the output short circuits, the rectifier output current will feed back to a 1/3 rated current. The rectifier uses analog current sharing technology. When the monitoring module or a rectifier module fails, the other rectifiers will maintain the current sharing function. The rectifier has a built-in CPU for monitoring and controlling operation and for communicating with monitoring module

AC Distribution

The systems have one AC mains input which is 63A, 1 phase / 3 line system. At the same time, systems integrate with surge protection in AC distribution units

DC Distribution

DC distribution units can provide 2 battery fuses and LVD function. The output branches are equipped with short circuit and over current protection and branch capacity can be adjusted to requirements

Dimensions And Weight

Model	W × D × H(mm)	Weight(Kg)
PS4875/25	450 × 260 × 700	40(Rectifier included)



Monitoring Module
PSM-A10



Rectifier Module
HD4825-3