FitOn DP4860-A1
Embedded Power Supply

FiberHome

Introduction

FitOn DP4860-A1 embedded power supply converts AC input into stable 48V DC output. The maximum output current of the system is 60A, and the height is 1U. The product adopts modular design, which is safe and reliable to operate, neat and beautiful. It can adapt to a wide range of AC input and has intelligent battery management, remote monitoring, etc.

Application

Suitable for high-end professional networks with high power supply requirements, such as small switching equipment, transmission stations, small base stations and broadband access

Features

Reliable
- Superior adaptability to power grid and environment
- Module redundancy configuration, high reliability

Efficient
- Efficient rectifier module configuration to reduce energy consumption
- Ultra-compact design, 1U height
- Rectifier and monitoring modules support hot swap, and the maintenance is quick and convenient

Intelligent
- Full digital control
- Perfect module intelligent sleep function to improve the efficiency of the system
- Intelligent battery fine management to prolong battery lifetime

Specifications

Item		Description
Basic parameters	Max. output current	60A
	Structure	19 inches wide and 1U high
	Dimension (mm)	1U × 482.0 × 350.6 (H × W × D)
	Weight (kg)	≤10 (excluding rectifier module)
Distribution parameters	Input system	Single phrase 220Vac
	Input switch	30A/2P×1
	Battery switch	65A/2P×1
	Secondary power off switch	65A/2P×3
Parameters of rectifier modules	Module configuration model	FR4830 30A
	Input voltage range	85Vac ~ 300Vac
	Input frequency	45~66Hz
	Power factor	≥0.95@100% Load
	Efficiency	≥92%@220Vac 50% Load
	Output voltage range	42Vdc ~ 58Vdc
	Nominal voltage	48Vdc
	Rated voltage	53.5Vdc
Parameters of monitoring module	Monitoring unit	PMU, LCD display, with network port and serial port
	Communication interface	RS485 interface: general electricity protocol; LAN interface: TCP/IP protocol, SNMP protocol
	Alarm function	Module protection, module failure, AC power failure, lightning arrester failure, low battery voltage, etc., 1000 historical records
	Environmental detection access	Access control, 4-way temperature detection and water immersion detection
	Control function	Module switching on/off, battery power off
	Battery management and energy saving	Floating charge, temperature compensation, battery protection, battery test, module automatic sleep