Embedded DC Power System

Eoo4840-I

1.Introduction:



Eoo4840-I is an AC/DC embedded power system with Excellent performance such as high power efficiency, intelligent battery management,remote management, wide range of AC input voltage, etc. The system can configure 2 pieces of 1U 1200W rectifier modules, and provides 2400W rated power output.Eoo4840-I can be embedded in 19-inch rack or cabinet.

2.Features:

- 1U rectifier: high density, high efficiency, excellent high temperature performance(full load @ 50℃)
- Wide operation temperature range of embedded power from -40℃ to 65℃
- Hot-swappable rectifiers provide easy installation and maintenance
- Standard installation structure design, adapt to various scenarios
- Compact design(only 1U in height), saving space and installation cost
- Excellent rectifier dormancy function helps increase system efficiency
- Intelligent battery management and protection help to prolong battery lifespan
- Support environmental signal monitoring and remote management through dry contact, serial interface or Ethernet interface(options)

3.Application Scenarios:

- Wireless base station
- Transmission network
- Communication network of enterprises

4.Specifications:

Type		E4840-I
System	Dimension	440mm(W)×320mm(D)×44mm(H)
	Weight	≤5.1kg (without rectifiers)
	Cooling mode	Natural cooling
	Installation mode	Installed on 19-inch rack or inside the cabinet
	Cabling mode	Front inlet and Front outlet
	Maintenance mode	Front maintenance
	Protection level	IP20
	Alarm interface	FAN1,FAN2,DOOR,SMOKE
AC Distribution	Input mode	220VAC single phase
	Input capacity	1×32A/2P or terminal
	Output capacity	NA
	Input frequency	45~66Hz, rated value: 50Hz/60Hz
	SPD	20kA/40kA, 8/20μs
DC Distribution	Output voltage	-42~-58VDC, rated value: -53.5VDC
	Maximum capacity	2400W
	Battery breakers	1×40A/1P
	Load Fuse	2×30A
	Fan power supply	FAN1,FAN2
Rectifier	Input voltage	85VAC～300VAC, rated 220VAC
	Efficiency	PR481200H > 95%, R481200E > 92%
	Rated power	1200W(176~300VAC)
	Working temperature	PR481200H -40℃~+85℃(full load @ 55℃), R481200E -40℃~+80℃(full load @ 50℃),
	Dimension	70.3mm(W)×278mm(D)×42.5mm(H)
	Weight	≤1.2kg
	Cooling mode	Forced cooling
	Power factor	≥0.99
	THD	≤5%
Controller	Signal input	1 Battery temp., 1 ambient temp, 1 smoke, 1 gate, 2common DI
	Alarm output	4 dry contact
	Communication port	RS232/485, SNMP(Optional)
	Display mode	LCD
Environment	Operating temperature	-40℃~+65℃
	Storage temperature	-40℃~+70℃
	Operating humidity	5%~95%(non-condensing)
	Altitude	0~2000m