BRAGAMORO

DC Power System – 48-400

Introduction

BM48400 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 8 pieces of 1U 50A high rectifier modules, and provides 400A rated current output. BM48400 can be embedded in 19-inch rack or cabinet.

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 6U 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)

Application Scenarios

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

Type	BM48400
System	
Dimension	440mm(W)×344mm(D)×265mm(H)
Weight	≤17kg (without rectifiers)
Cooling mode	Natural cooling
Installation mode	Installed on 19-inch rack or inside the cabinet
Cabling mode	Top intel and top outlet
Maintenance mode	Front maintenance, support module grade change
Protection level	IP20
AC Distribution	
Input mode	220/380VAC three-phase
Input capacity	1X63A/3P
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	24000W
Battery breakers	2×125A/1P
Load breakers	LLVD: 2x100A/1P, 4x63A/1P BLVD: 2x63A/1P, 4x32A/1P
SPD	10kA/20kA, 8/20μs
Rectifier	
Input voltage	85VAC ~ 300VAC, rated 220VAC
Efficiency	BM483000H > 96%Peak, BM483000E > 92%
Rated power	3000W (176~300VAC)
Working temperature	BM483000H -40℃~+85℃(full load @ 55℃), BM483000E -40℃~+80℃(full load @ 50℃),
Dimension	106mm(W)×298mm(D)×42.5mm(H)
Weight	≤1.9kg
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