

Indoor Mini Power System

TP48300B-N04C2



Introduction

TP48300B-N04C2 is a type of mini -48 Vdc power systems, which can accommodate 6×1U 50A high efficiency rectifier modules, the maximum output current is 300A. With advantage of features like compact size, easy to install, compatible with battery rack stacking and standard open rack, excellent function of BMS, intelligence dormancy and remote management, etc.

Features

- **Flexible installation:** battery rack stacking, 19/21/23 inches open rack, ground, DFMU cabinet or wall-mounted optional
- **System complies with CE standard:** rectifier complies with UL, CE, TUV standards
- **1U high efficiency rectifier(>96%):** fully output below 55°C
- **Provides comprehensive battery management**
- **System efficiency promotion:** support intelligent dormancy technology
- **Easy installation:** hot-swappable system modules
- **Supports NetEco network management system and in-band/out-band networking:** reduces operation expenditure



TP48300B-N04C2

Scenarios

- Wireless access network
- Fixed access network
- Convergence network
- Enterprise communication network

Specifications

Product Type	TP48300B-N04C2	
System	Dimensions	442mm (W) × 360mm (D) × 546mm (H)
	Weight	≤30 kg (Without rectifier modules)
	Cooling mode	Natural cooling
	Installation mode	On the battery rack, 19/21/23 inches open rack, ground, DFMU cabinet, wall-mounted
	Cabling mode	Top inlet and top outlet
	Maintenance mode	Front and top operation and maintenance
	Noise level	≤55 dB (At ambient temperature 25°C)
	Protection level	IP20
AC Distribution	Input mode	220/380 Vac three-phase four-wire; 220 V single-phase
	Input voltage	85 Vac ~ 300 Vac
	Input frequency	45~66 Hz, rated 50 Hz/60 Hz
	Input distribution	1 × 63 A/3P (MCB)
	SPD	20 kA/40 kA, 8/20 μs
DC Distribution	Output voltage	-42~-58 Vdc, rated -53.5 Vdc
	Maximum capacity	18 kW (6 × 3000 W)
	Battery branch(fuse)	2 × 160 A (fuse)
	LLVD branch(MCB)	1 × 100 A/1P, 2 × 80 A/1P
	BLVD branch(MCB)	1 × 63 A/1P, 1 × 32 A/1P, 2 × 16 A/1P
SPD	10 kA/20 kA, 8/20 μs	
Rectifier	Rated power	3000 W(176 Vac ~ 290 Vac)
	Power efficiency	>96%
	Working temperature	-40°C ~ +75°C
	Dimensions	105mm (W) × 281mm (D) × 40.8mm (H)
	Weight	<2 kg
	Power factor	≥0.99
	THD	≤5%
Controller	Signal input	3 AI (Battery temp., ambient temp., ambient humidity) 9 DI (Water, smoke, gate, 6 common DI)
	Alarm output	8 dry contacts
	Communication port	RS232, RS485, FE
	Storage capacity	Up to 2000 historical records
	Display mode	LCD
Environment	Operating temperature	-10°C ~ +50°C
	Storage temperature	-40°C ~ +70°C
	Operating humidity	5% ~ 95%(Non-condensing)
	Altitude	0 ~ 4000m

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