

Indoor Power System

TP48200B&TP48300B&TP48600B

Introduction

The indoor power system mainly includes TP48200B (integrated power), TP48300B and TP48600B, whose output range varies from 200A to 600A. The series support Antistatic floor installation and ground installation.

Features

Footprint saving: Highly integrated, multiple scenarios

- Integrated power system saves footprint by installing batteries in the cabinet.
- Outstanding housing capacity for Integrated system: 2 groups of batteries + 16U user space or 4 groups of batteries

Energy saving: High efficiency rectifiers

- Advanced module efficiency (up to 97%), non-derating below 55°C
- High reliability: MTBF of rectifier \geq 500,000 hours, better than industry level and reducing maintenance cost.

OPEX saving: Excellent monitoring

- Prolonging lifespan of batteries: Battery intelligent management, including battery temperature, capacity and in position detection, etc.
- Support remote management: Visible, convenient to check real time data, operation status and set parameters remotely.
- Zero Investment in Environmental Monitor: In-band Transmission saves CAPAX

Application scenarios

TP48200B, TP48300B and TP48600B are applicable to various indoor scenarios such as access network, transmission network, medium and small macro sites, etc.





Specifications

Type		TP48200B	TP48300B	TP48600B
System specification	Dimension	2000mm(H)×600mm(W)×600mm(D)	1600mm(H)×600mm(W)×400mm(D)	
	Weight	≤100kg(without rectifiers and batteries)	≤100kg(without rectifier modules)	
	Rated capacity	200A(can configure 2~4 rectifiers)	300A(can configure 2~6 rectifiers)	600A(can configure 2~12 rectifiers)
	Cooling mode	Natural cooling		
	Maintenance mode	Front access maintenance		
	Cabling mode	Top inlet and top outlet	Top or Bottom inlet and outlet	
	Installation mode	Antistatic floor installation, ground installation		
	User space/ built-in batteries	0~16U user space 2~4 groups of battery	N/A	
Protection level	IP20			
Environmental specification	Operating temperature	-10°C~+45°C	-10°C~+50°C	
	Operating humidity	5%~95%(non-condensing)		
	Altitude	0~4000m (at the altitude from 2000m to 4000m, the temperature declines by 1°C for each increase of 200m in altitude)		
AC distribution	AC input	One phase three line(L,N,PE); Three phase four line (L1,L2,L3,N); Three phase five line(L1,L2,L3,N,PE); 110V dual live wire(L1, L2)	Three phase five line(L1, L2, L3, N, PE); single phase(L, N)	
	AC input voltage	85~300VAC, rated: 220VAC		
	AC input frequency	45~66Hz, rated: 50Hz/60Hz		
	SPD for AC input	Standard lightning discharge current: 20kA, 8/20μs Maximum lightning discharge current: 40kA, 8/20μs		
DC distribution	Output voltage	42~58VDC, default value: 53.5VDC		
	maximum output power	12000W	18000W	36000W
	Battery branch	125A x 4/2 MCBs	250A×2(fuse)	500A×2(fuse)
	BLVD	32A x 2 MCBs,16A x 3 MCBs,10A x 1 MCB	32A×2 MCB, 10A×2 MCB (4×63A MCB installation position reserved)	MCB:63A×2, 32A×2, 10A×2 (2× 63A MCB installation position reserved)
	LLVD	80A x 2 MCBs,32A x 1 MCB,20A x 2 MCBs	100A×3(NT00 fuse), 32A×1 MCB; 10 reserved installation position (maximum 100A×3 NT00 fuse and maximum 63A×7 MCB)	160A×3(NT00 fuse), 100A×2(NT00 fuse), 63A×2 MCB, 32A×3 MCB, 10A×2 MCB; 5 installation position reserved (maximum 160A×1 NT00 fuse and 63A×4 MCB)
Rectifier module	Efficiency	Up to 97%		
	Input voltage	85~300VAC, rated: 220VAC		
Monitoring unit	Sensors interface	TEM_HUM, WATER,GATE,SMOKE,BTEMP	SMOKE, TEM_BAT, TEM2	
	Digital input	DIN1~DIN6	DIN1~DIN7	
	Alarm output	ALM1~ALM8	ALM1~ALM5	
	Communication port	Support RS232/485 Support FE	RS485/RS232	Ethernet interface(available with optional SNMP card)