

Indoor Power System

200~400A/12~24kW



Introduction

The indoor power system mainly includes integrated power(built-in batteries), whose output range varies from 200A to 400A. The series can accommodate high efficiency rectifier modules and have outstanding monitoring functions.

Features

- High rectifier efficiency (>96%): helps save energy
- Excellent rectifier dormancy function: improves system efficiency
- Wide temperature range for-rectifiers: $-40^{\circ}\text{C}\sim+75^{\circ}\text{C}$, non-derating below 55°C
- Hot-swappable modules for easy installation
- Intelligent battery management: prolongs battery lifespan
- Multiple signal ports: realizes remote management through dry contacts, serial interface or network interface
- In-band transmission: zero additional hardware cost to realize centralized and remote site monitoring
- Suitable to multiple scenarios of indoor sites
- 32U space to accommodate battery and main equipments: provides better use of space



Integrated power

Application Scenarios

- Indoor sites of access network
- Indoor sites of transmission network
- Medium and small capacity central offices
- Enterprise communication network

Specifications

Integrated power		TP48200B	TP48400B
System	Dimension(W×D×H)	600mm×600mm×2000mm	
	Weight	≤100kg(without rectifiers and batteries)	
	Rated capacity	200A(2~4 rectifiers)	400A(2~8 rectifiers)
	Cooling mode	Natural cooling	
	Maintenance mode	Front operation and maintenance; support installation against the wall (≥100mm)	
	Cabling mode	Top inlet and top outlet	
	Installation mode	Antistatic floor installation or ground installation	
	Built-in battery	2~4 groups	4 groups
	User space	0-16U	N/A
	Protection level	IP20	
Environment	Operating temperature	-10~+45℃	-10~+45℃
	Operating humidity	5%~95%(non-condensing)	
	Altitude	0~4000m	
AC Distribution	Input	220V single phase; 380V three phase; 110V dual-wire	220V three phase; 380V three phase
	Input voltage	85~300V AC	
	Input frequency	45~66Hz, rated: 50Hz/60Hz	
	SPD for input	20kA / 40kA, 8/20μs	
DC Distribution	Output voltage	42~58V DC, default value: 53.5V DC	
	Maximum output power	12kW	24kW
	Battery branch	MCB: 4 (or2) branches	MCB: 4 branches
	LLVD	MCB: 5 branches	Fuse: 2 branches MCB: 4 branches
	BLVD	MCB: 6 branches	MCB: 8 branches
Rectifier	Dimension(W×D×H)	103mm×243mm×88.9mm	
	Weight	≤2kg	
	Efficiency	>96%*	
	Rated output power	3000W	
Controller	AI	5 branches	
	DI	9 branches	
	DO	8 branches	
	Communication port	RS232/485; FE interface	