

Standalone Central Office Power System

TP481200B-N20C3



Introduction

TP481200B-N20C3 is an integrated power system with AC distribution, rectifier unit and DC distribution in single cabinet. This system accommodates 1U 100A high efficiency rectifiers and the output of single cabinet can reach 1200A. It has tremendous features such as high reliability, high efficiency, high power density, high capacity, low noise and easy maintenance.

Features

- The system complies with the CE standards. The rectifier module complies with the UL, CE and TUV standards
- High power efficiency of rectifier is over 96%, saving huge energy
- Large Capacity, single cabinet capacity 1200A, expandable to 6000A by cabinets parallel combination
- System MTBF is over 500,000 hours and is strictly tested
- Wide range of AC input, 260Vac - 530Vac
- All-CAN communication, improving system response rate obviously
- Support Huawei NetEco and the third network management system, saving OPEX
- Flexible networking modes, including IP, RS485/232, etc., matching central office management evolution



Scenarios

- Wireless network central/converge office
- Fixed network central/converge office
- Enterprise network central office
- Data center

Specifications

Product type		TP481200B-N20C3
System Specification	Dimensions	600mm(W)×600mm(D)×2000mm(H)
	System output	1200A (2-12×100A rectifier modules)
	Cooling mode	Natural cooling
	Installation mode	Floor installation(antistatic floor or ground installation)
	Cabling mode	Top inlet and top outlet
	Maintenance mode	Front and rear maintenance
	Protection level	IP20
AC Distribution	Input mode	Three phase four/five line mode
	Input voltage	260Vac-530Vac, rated: 220/380Vac
	Input frequency	45-66Hz, rated: 50Hz/60Hz
	Input capacity	1×200A/3P (MCCB)
DC Distribution	SPD	20kA/40kA, 8/20μs
	Output voltage	42-58Vdc, rated: 53.5Vdc
	Maximum capacity	72kW/1200A
	Battery branch	2×1000A (NT4)
	Load branch	4×500A (NT3), 2×400A (NT2), 12×100A (NT00)
Rectifier	SPD	10kA/20kA, 8/20μs
	Input voltage	Three-phase input, 260Vac ~ 530Vac , rated: 220/380Vac
	Output voltage	-42~-58Vdc, rated: -53.5Vdc
	Maximum capacity	6000W(304Vac ~ 530Vac)
	Operating temperature	-40 ~ +75°C
	Dimension	238mm(W)×378mm(D)×43mm(H)
	Weight	<6kg
	Power factor	≥0.99
Controller	THD	≤5%
	Model	SMU05A
	Signal input	4 DI
	Alarm output	8 DO
	Communication port	Ethernet, RS485/232
	Storage capacity	50,000 historical records and alarms
Environment	Display mode	LCD(dimensions: 73.2mm×54.8mm)
	Operating temperature	-10°C - +45°C
	Storage temperature	-40°C - +70°C
	Operating humidity	5%-95%(non-condensing)
	Altitude	0-4000m

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