

# Indoor Integrated Power System

## MTS9602B-N20B1



### Introduction

MTS9602B-N20B1 is an AC/DC indoor integrated power system with 200A rated output current. It can accommodate 4x1U 48V/50A high efficiency rectifiers, 1~4 groups of batteries and 0~16U user space in maximum.

### Features

- 1U rectifier: high density(42.7W/inch<sup>3</sup>), high efficiency(>96%), excellent high temperature performance(fully output below 55°C)
- Can accommodate 1~4 groups of batteries and 0~16U user space for main equipment
- Compatible with high-temperature batteries, saving site cooling cost by increasing cooling temperature
- Intelligent battery management functions, helping prolong battery lifespan
- Battery anti-reversed polarity function to avoid the danger caused by reversed polarity connection
- Abundant I/O ports, including 5 AI, 9 DI and 8 dry contact output
- Realizing centralized and remote site monitoring by zero additional hardware cost through in-band transmission

### Application Scenarios

- Enterprise indoor telecom sites



MTS9602B-N20B1

## Specifications

Product Type		MTS9602B-N20B1	
System	Dimension (W × D × H)	600mm × 600mm × 2000mm	
	Weight	≤ 100kg (without rectifier modules or batteries)	
	Cooling mode	Natural cooling	
	Installation mode	Ground installation (anti-static floor or ground installation)	
	Cabling mode	Top inlet and top outlet	
	Maintenance mode	Front operation and maintenance; support installation against the wall (≥ 100mm)	
	Protection level	IP20	
	Battery space	32U (max. support 4 sets of 150Ah lead-acid batteries)	
	User space	N/A	
AC Distribution	Input mode	220/380V three-phase four-wire 220V single-phase	
	Input voltage	85~300VAC (L-N)	
	Input frequency	45~66Hz, rated value: 50Hz/60Hz	
	Input capacity	1 × 63A/3P MCB	
	Output capacity	1 × 32A/3P MCB	
	SPD	20kA/40kA (8/20μs)	
DC Distribution	PVDU input	4 × 63A/1P MCB	
	Output voltage	-42VDC to -58VDC, rated value: -53.5VDC	
	Maximum capacity	12kW (4 × 3000W)	
	Battery branch	4 × 125A/1P MCB	
	LLVD branch	2 × 80A/1P MCB, 1 × 32A/1P MCB, 2 × 20A/1P MCB	
	BLVD branch	2 × 32A/1P MCB, 3 × 16A/1P MCB, 1 × 10A/1P MCB	
	SPD	10kA/20kA (8/20μs)	
Rectifier	Max. output power	3000W	4000W
	Power efficiency	Max. 96%	Max. 97%
	Dimension (W × D × H)	105mm × 281mm × 40.8mm	
	Weight	≤ 2.0kg	≤ 2.2kg
Controller	Signal input	5 AI(battery temp., ambient temp., ambient humidity, temp1, temp.2) 9 DI(water, smoke, gate, 6 common DI)	
	Alarm output	8 dry contacts	
	Communication port	RS232, RS485, FE	
	Storage capacity	Up to 50000 historical records and alarm	
	Display mode	LCD	
Environment	Operating temperature	-10°C~+45°C(including batteries)	
	Storage temperature	-40°C ~+70°C	
	Operating humidity	5%~95%(non-condensing)	
	Altitude	0~4000m	

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