



Distributed antenna system, remote unit,
macro coverage, fixed network access
equipment.

TPS Series

Intelligent AC and DC integrated power supply

1-15KVA

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Intelligent Flexibility

- Compatible with LiFePO4 batteries and lead-acid batteries
- Standard 19-inch rack mount, supporting wall-mounted and embedded installation
- Strong overload capacity, support 150% rated load impact operation for communication equipment with load nonlinear characteristics
- Output can be AC 220V and DC 48V at the same time (AC and DC isolated) for various communication loads

High Reliability

- Input power factor ≥ 0.99
- Intelligent fan speed regulation function
- Battery mode efficiency $\geq 90\%$ at full load
- Mains power mode efficiency is as high as 99%

Green Performance

- The battery power-off voltage can be set to extend the battery life
- Over-voltage and low-voltage protection; output overload and short-circuit protection; over-temperature protection; battery under-voltage warning and protection; battery over-charge protection; anti-surge, lightning protection
- Unattended function

Intelligent monitoring and management

- Dry contact communication interface: three interfaces for mains power failure, low battery and system alarm
- Standard RS485/RS232 communication interface
- SNMP as option for remote monitoring

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highlights

- ① AC 220V/DC 48V output
 - ① 3KVA Module maximum parallel 5 units
 - ① Compatible with LiFePo4 and lead-acid battery
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Model	TPS01	TPS02	TPS03	TPS06	TPS10	TPS15
Rated Capacity	1kVA	2kVA	3kVA	6kVA	10kVA	15kVA
Input						
AC Voltage	176-250VAC (settable)					
Frequency	50Hz±5%					
Power Factor	≥0.99					
DC Voltage	48VDC					
AC Output						
Power Factor	0.8					
Voltage	220VAC±2% (inverter model)					
Efficiency	≥90% (inverter model)					
Frequency	50Hz±0.25Hz (inverter model)					
Output Waveform	Pure Sine Wave (inverter model)					
THD	≤3%(linear load under full load)					
Overload	125% rated load protection after 1 minute ; 150% rated load protection after 10 sec					
Switching Time	≤10ms					
DC Output						
Voltage	-48VDC (pure inverter without DC output)					
Current	When the suffix X is EA, the current is 6A; when it is ED, the current is 20A, when it is EF, the current is 30A; when it is EJ, the current is 50A. the above current includes charging current.					
Battery						
Low - voltage Warning	43VDC±0.5VDC					
Under Voltage	≤40VDC					
Overvoltage Protection Point	≥60VDC					
Overvoltage Recovery	≥55VDC					
Reverse Connection Protection	Yes					
Output (Inverter Mode)						
Overvoltage Protection	≥245VAC					
Low - Voltage Warning	≤200VAC					
Protection						
Output Short Circuit Protection	Yes					
Over Temperature Protection	Built -in fan for heat dissipation, intelligent speed regulation according to load					
Battery Physical						
Rated Voltage	48VDC					
Charging Voltage Range	53-59VDC (settable)					
Charging Current	6A/20A/30A/50A					
Mechanical Characteristics						
WxDxH(mm)	482.6 x 350 x 44.5 (1U)		482.6x500x88(2U)		482.6 x492 x 222 (5U)	
Weight(kg)	<10		<20		<30 <50	

* Product specifications are subject to change without further notice