

# Wall-Mounted Power System

TP4860C, TP4860H



## Introduction

TP4860C and TP4860H are 2 types of wall-mounted power system, which can convert from 220V AC single-phase or 110V AC dual-live wire input to stabilized -48V DC output. Its largest capacity is 60A. When configured with inverter, it can output -48V DC and 220V AC simultaneously. It can be built in 20AH/40AH VRLA battery or 40AH lithium-ion battery. It provides great performance such as compact design, high efficiency and flexible power backup.

## Features

- High rectifier efficiency over 96% helps to save energy
- Support 870W/1000W/1600W rectifiers
- Compact design makes it satisfies wall-mounted, pole-mounted and ground-mounted installation
- Protection level of outdoor power is up to IP55, low noise and high environment adaptability
- Intelligent battery management helps to prolong battery lifespan
- Support anti-reverse battery polarity connection, effectively avoid components damage
- Support site monitoring through dry contact or serial interface
- Support built-in inverter, can output AC&DC simultaneously
- 80AH battery can be parallel connected through battery cabinet
- Configurable heater, operating temperature ranges from -40°C to 45°C



TP4860C



TP4860H

## Application scenarios

- Indoor wireless coverage sites power supply
- Indoor WLAN power supply

## Specifications

Type	TP4860H	TP4860C		
System	Dimension	450mm(W)×300mm(D)×580mm(H)	450mm(W, excluding 50mm protuberant part on the vent port) ×630mm(H)×300mm(D)	
	Weight	≤ 25Kg (without rectifiers and battery)	≤29kg(without rectifier and storage battery)	
	Rated power	DC output: 1740W/2000W/3200W, AC output: 1000VA (700W)		
	Installation mode	Wall-mounted /floor-mounted	Wall-mounted/pole-mounted/floor-mounted	
	Cabling mode	Cable inlet and outlet from the bottom		
	Protection level	IP21	IP55	
	AC SPD	20kA/40kA, 8/20μs	20kA/40kA, 8/20μs	
	DC SPD	NULL	10kA/20kA, 8/20μs	
	Heat dissipation mode	Natural cooling	Direct ventilation	
Environment	Operating temperature	- 10°C ~ + 50°C(built in battery: -10°C~+45°C)	- 40°C ~ + 50°C(built in battery: -40°C~+45°C)	
	Storage temperature	-40°C ~ + 70°C		
	Operating humidity	5%~95%(non-condensing)		
	Altitude	0~4000m(If the altitude is within the range of 2000m to 4000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m.)		
Types	Rated power	DC output: 1740W/2000W/3200W AC output: 1000VA (700W)		
	AC input mode	220VAC single phase or 110VAC dual-live wire		
	AC input	1×32A/2P(MCB)		
	Maintenance socket	Reserve one maintenance socket	One maintenance socket, overload protection breaker: 1×16A/1P(MCB)	
	AC output	NULL	1×10A/1P(MCB)	
	Battery branch	1×63A/1P(MCB)		
	Inverter output	3×10A/1P(MCB)		
DC load	3×16A/1P(MCB)			
Rectifier	Rated power	Compatible with 870W , 1000W, 1600W rectifier		
Monitoring unit	Sensor interface	Battery temperature, door, battery mid-point voltage check		
	Boolean value input	4		
	Alarm output	4, default: AC failure, DC under voltage, rectifier fault, door		
	Communication interface	RS485/232		
Inverter (optional)	Dimension	482.6mm(W)×250mm(D)×43.6mm(H)		
	Rated output	1000VA/700W		
	Working mode	Default by DC input priority		
	Operating temperature	- 25°C~ +60°C		
Battery (optional)	Rated capacity	20Ah VRLA battery	40Ah VRLA battery	40Ah lithium-ion battery
	Nominal voltage	12V/cell		3.2V/cell
	Weight	6.35kg×4	14.6kg×4	28kg
	Dimension/W×D×H	181mm×76mm×166mm	197mm×165mm×171mm	385mm×350mm×133mm

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