



Model	PWS-R5	PWS-R10
Battery Type	48V 100 AH LiFePO4	48V 200 AH LiFePO4
Nominal Energy (KWh)	4.8	9.6
Usable Energy (KWh)	4.32	8.64
Peak Output Power (KW, 3 Seconds)	7.68	9.6
Round-Trip Efficiency	>97%	>97%
Nominal Voltage (V)	48V	48V
Operating Voltage (V)	42-54.5	42-54.5
Max Charge/Discharge Current (A)	80/80	100/100
Communication	CAN, RS485	CAN, RS485
Enclosure Protection Rating	IP21	IP21
Operating Temperature (°C)	-20~60	-20~60
Cooling Type	Nature Cooling	Nature Cooling
Installation	Rack Mounted, Free Stand, Indoor	Rack Mounted, Free Stand, Indoor
Cycle Life	>6000	>6000
Design Life	20+ Years (25°C@77°F)	20+ Years (25°C@77°F)
Recommend DOD	90%	90%
Dimension (W*H*D, mm)	442*138*470	442*232*500
Weight (Kg)	42	77
Humidity	5%-95%	5%-95%
Altitude (m)	<2000	<2000
Warranty	10 Years	10 Years
Safety Standard	CE/IEC62619/UN38.3/MSDS	CE/IEC62619/UN38.3/MSDS
Scalability	Max 8 Pcs in Parallel	Max 16 Pcs in Parallel

FEATURES

- Easy Installation and After-Sales Service
- Intelligent Built-in BMS
- Rack Mounted and Parallel Connection
- >6000 Cycle @ 90% DOD
- LiFePO4 Safe Battery Chemistry
- Compact Design and Safety Protection

APPLICATIONS

- Household
- Commercial real estate
- Small-size commercial
- Public buildings



COMPATIBLE INVERTER BRANDS





Model	PWS-W5	PWS-W10
Battery Type	48V 100 AH LiFePO4	48V 200 AH LiFePO4
Nominal Energy (KWh)	4.8	9.6
Usable Energy (KWh)	4.32	8.64
Peak Output Power (KW, 3 Seconds)	7.68	9.6
Round-Trip Efficiency	>97%	>97%
Nominal Voltage (V)	48V	48V
Operating Voltage (V)	42-54.5	42-54.5
Max Charge/Discharge Current (A)	100/100	100/100
Communication	CAN, RS485	CAN, RS485
Enclosure Protection Rating	IP21	IP21
Operating Temperature (°C)	-75	-75
Cooling Type	Nature Cooling	Nature Cooling
Installation	Wall Mounted, Indoor	Wall Mounted, Indoor
Cycle Life	>6000	>6000
Design Life	20+ Years (25°C@77°F)	20+ Years (25°C@77°F)
Recommend DOD	90%	90%
Dimension (W*H*D, mm)	480*500*240	530*630*240
Weight (Kg)	47	86
Humidity	5%-95%	5%-95%
Altitude (m)	<2000	<2000
Warranty	10 Years	10 Years
Safety Standard	CE/IEC62619/UN38.3/MSDS	CE/IEC62619/UN38.3/MSDS
Scalability	Max 16 Pcs in Parallel	Max 16 Pcs in Parallel

**FEATURES**

- Easy Installation and After-Sales Service
- Intelligent Built-in BMS
- High-Performance Safety Cells
- >6000 Cycle @ 90% DOD
- LiFePO4 Safe Battery Chemistry
- Compact Design and Safety Protection



**APPLICATIONS**

- Household
- Commercial real estate
- Small-size commercial
- Public buildings

**COMPATIBLE INVERTER BRANDS**





Model	PWS-S5	PWS-S7	PWS-S10	PWS-S12	PWS-S15	PWS-S17	PWS-S20
Nominal Energy (KWh)	5.12	7.68	10.24	12.8	15.36	17.92	20.48
Usable Energy (KWh)	4.61	6.91	9.22	11.52	13.82	16.13	18.43
Nominal Voltage (V)	102.4	153.6	204.8	256	307.2	358.4	409.6
Weight (Kg)	69	94	119	144	169	194	219
Module Number	2	3	4	5	6	7	8
Dimension (W*H*D, mm)	540*520*280	540*670*280	540*820*280	540*970*280	540*1120*280	540*1270*280	540*1420*280
Recomend Charge/Discharge Curent (A)	30/30						
Max Charge/Discharge Current (A)	50/50						
Round-Trip Efficiency	≥97.5%						
Communication	CAN, RJ45						
Charge Temperature (°C)	0-50						
Discharge Temperature (°C)	-20-55						
Enclosure Protection Rating	IP54						
Recommend DOD	80%						
Cycle Life	≥10,000						
Design Life	20+ Years (25°C@77°F)						
Humidity	5%-95%						
Altitude (m)	<2000						
Installation	Stackable						
Warranty	10 Years						
Safety Standard	CE/IEC62619/UN38.3/MSDS						

### FEATURES

- LiFePO4 Safe Battery Chemistry
- Plug in and Play
- Max 750Vdc High Voltage
- Stackable for More Energy
- Smart BMS for Safety Protection
- ≥10,000 Cycles @ 80% DOD

### APPLICATIONS

-  Household
-  Commercial real estate
-  Small-size commercial
-  Public buildings





## FEATURES

Intelligent Protection For Safety Use

AC Charge and UPS Function

Multiple Working Modes

MPPT and Pure Sine Wave inverter

Plug in and Play

LiFePO4 Safe Battery Chemistry

Model	PWS-P500
Battery Capacity	510Wh
Battery Type	LiFePO4
Inverter	Pure sine wave
Charge Time	6 to 8 Hours
DC Output	12V/10A
DC5.5 Output	12V/5A
AC Output	500W/220V 50/60HZ
USB Output	(5V=6A 9V=2A 12V=1.5A)*2(5V=2A)
Type-C Input & Output	PD60W
Long-range Lamp	300lm 3W 6000K
Reading Light	800im 8W 6000K
DC Input	Adapter 12V/5A
Size	344*196*201mm
Weight	7Kg
Solar Panels	100W
Wireless Charging Output	Max 10W, Support 7.5W/5W

