

Solar Home System

Lithium Battery Solar Storage



PW5000U-5kWh

PW10000U-10kWh

Product

Our power storage wall ESS adopts the latest HESS battery system.

With rich experience and advanced techniques, the product has the features of the fashionable design, high energy, high power density, long service life, and easiness of installation and expansion, all of which reflect the real requirements of the end users and strongest technical capability of our company.

It is a kind of environmentally friendly backup power system.

We use phosphates rather than cobalt to avoid environmental concerns, lower the possibilities of thermal runaway because of improper disposal, and save the production cost as well.

Compared with other products in the market now, this kind of product experiences a lower rate of capacity loss.

With state-of-the-art power conversion and energy storage technologies, our energy storage system (ESS) offers high-efficiency power conditioning capabilities for demand management, power dispatch, renewable energy smoothing, etc.

Our ESS can provide comprehensive energy storage for residential, commercial and utility applications.

Features

✓ Long life and safety

Vertical industry integration ensures more than 6000 cycles with 80% DoD.

Safe Lithium iron phosphate battery cell.

✓ Intelligent

Each battery with independent BMS system manages power output smartly and effectively.

✓ Modularization

Modular design gives the end customers the power of choice of capacity Deliver up to 163KW with single max module (10.24KWh) at 16pcs parallel connection.

✓ Easy to install and use

Just plug and play to minimize the installation time and cost. Compact and fashionable design fits in your sweet home environment.

✓ Compatibility

Compatible with most of the available Hybrid inverters.

✓ Safety Cert

UL1642, IEC62619, CE, UN38.3, MSDS.

Technical details

PW5000U-5kWh

PW10000U-10kWh

| <i>Nominal Parameters</i> | | |
|--------------------------------------|--|-----------------|
| Voltage | 51.2V | 51.2V |
| Capacity | 100Ah | 200Ah |
| Energy | 5.12KwH | 10.24KwH |
| Dimensions (L x W x H) | 735 x525 x190mm | 735 x525 x190mm |
| Weight | 60.5kg | 102.5kg |
| <i>Basic Parameters</i> | | |
| Life time(25°C) | 10 years | |
| Life cycles(80% DOD, 25°C) | 8500Cycles | |
| Storage time / temperature | 5 months @ 25°C; 3 months @ 35°C; 1 month @ 45°C | |
| Operation temperature | -20°C to 60°C @60+/-25% Relative Humidity | |
| Storage temperature | 0°C to 45°C @60+/-25% Relative Humidity | |
| Lithium Battery Standard | UL1642,IEC62619,UN38.3,ROHS,CE-EMC | |
| Enclosure protection rating | IP21 | |
| <i>Electrical Parameters</i> | | |
| Operation voltage | 44-58 Vdc | 44-58 Vdc |
| Max.charging voltage | 58 Vdc | 58 Vdc |
| Max.charging and discharging current | 100A | 200A |
| Max Power | 5120W | 10240W |