

# 51.2V 5KWh Parallel Connection System

Build-in inverter 5 kwh-40 kwh  
parallel energy storage system



## Multiple Protection System

### ·Energy storage system centralized management protection system

Real-time monitoring of the operation of each battery unit, and centralized management of each battery unit. It has protection for the overall system overcurrent, overvoltage, overload, temperature, etc. In case of special circumstances, the system can be adjusted and managed in time.

### ·BMS active protection——battery unit management system

Protect the battery unit, and monitor the battery voltage, temperature, and various operating parameters of the battery unit in real time. While transmitting the running information to the BMU, the battery unit is also individually protected.

### ·Air switch protection

In order to increase the safety of the overall system, in addition to the one-button start function, each module of the system is equipped with an air switch. Avoid system overcurrent and overvoltage during installation and use.

## Zero-voltage charging start

This system supports zero-voltage charging start function.

That is to avoid the situation that the system cannot be activated and operated after long-term transportation or storage. After the system has not been used for a long time, it only needs to be charged to activate the system.

## Build-in Inverter

This product contains a build-in 5kw / 10kwpower frequency inverter, which has strong overload capacity and stable operation. No additional configuration of inverter is required. The integrated combination design eliminates the need for users to reserve additional inverter installation space, avoids complicated system connection lines, and increases the safety factor.

## Floor-Stacking Design

### ·Modular system design

While reducing transportation costs, users can freely combine according to their needs

### ·Stacking design--no punching, no positioning, flexible installation

Reduce the product's requirements for the installation environment and reduce the difficulty of installation; increase the flexibility of system movement.

### ·Four-corner horizontal pad design

Avoid the occurrence of electrical conduction caused by the direct

contact of the metal shell with the ground, which will cause unnecessary losses; in addition, the adjustable foot design is more helpful for moisture-proofing the product and reducing the need for ground flatness.

# 1-4 Pack Energy Storage System



Battery Package	Battery Package (5.12kwh, 51.2V,49Kg, 700*435*190mm)			
Number of Package	1	2	3	4
Usable Capacity	5.12KWh	10.24KWh	15.36KWh	20.48KWh
Cont. Output Current	100A	100A	100A	100A
Peak Output Current	150A	150A	150A	150A
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40~58.4V	40~58.4V	40~58.4V	40~58.4V
Szie (L/W/H)	700*435*490mm	700*435*680mm	700*435*870mm	700*435*1060mm
Weight (Kg)	95	143	192	240
Product Picture				
Operating Temperature	-10°C~50°C			
Charging Temperature	Above 0 °C			
Battery Type	Lithium iron phosphate battery(LiFePO4)			
Communication	RS485,CAN			
Enclosure Protection Rating	IP55			
Life Cycle	3000 times			

# INVERTER

Inverter Type	Power Frequency Inverter
Rate Output Power	5000W /10000W
AC Input/Output Voltage	160-260V / 80~130V
AC Input/Output Frequency	50 / 60Hz
Solar Controller	Build-in MPPT *2 Road
Solar Input Current	MAX. 80A*2
Solar Input Voltage	60-180V

# 5-8 Pack Energy Storage System



Battery Package	Battery Package (5.12kwh, 51.2V,49Kg, 700*435*190mm)			
Number of Package	5	6	7	8
Usable Capacity	25.6KWh	30.72KWh	35.84KWh	40.96KWh
Cont. Output Current	100A	100A	100A	100A
Peak Output Current	150A	150A	150A	150A
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage	40~58.4V	40~58.4V	40~58.4V	40~58.4V
Szie (L/W/H)	700*435*1250mm	700*435*1440mm	700*435*1630mm	700*435*1820mm
Weight (Kg)	289	338	387	436
Product Picture				
Operating Temperature	-10°C~50°C			
Charging Temperature	Above 0 °C			
Battery Type	Lithium iron phosphate battery(LiFePO4)			
Communication	RS485,CAN			
Enclosure Protection Rating	IP55			
Life Cycle	3000 times			