

51.2V 2.5KWh Parallel Connection System

Build-in inverter 2.5 kwh-10 kwh
parallel energy storage system



Multiple Protection System

· BMU 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 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 power 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 (2.5kwh, 51.2V, 26Kg, 550*300*180mm) | | | |
|-----------------------------|------------------------------------------------------|---------------|---------------|----------------|
| Number of Package | 1 | 2 | 3 | 4 |
| Usable Capacity | 2.5KWh | 5KWh | 7.5KWh | 10KWh |
| 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) | 550*300*480mm | 550*300*660mm | 550*300*840mm | 550*300*1020mm |
| Weight (Kg) | 58 | 84 | 110 | 136 |
| 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 | 3000W |
| 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. 60A*2 |
| Solar Input Voltage | 60-180V |

5-8 Pack Energy Storage System



| Battery Package | Battery Package (2.5kwh, 51.2V, 26Kg, 550*300*180mm) | | | |
|-----------------------------|------------------------------------------------------|----------------|----------------|----------------|
| Number of Package | 5 | 6 | 7 | 8 |
| Usable Capacity | 12.5KWh | 15KWh | 17.5KWh | 20KWh |
| 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) | 550*300*1200mm | 550*300*1380mm | 550*300*1560mm | 550*300*1740mm |
| Weight (Kg) | 162 | 188 | 214 | 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 | | | |

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 | | | |

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 | | | |

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 |

51.2V 10KWh Parallel Connection System

Build-in inverter 10 kwh-80 kwh
parallel energy storage system



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1-4 Pack Energy Storage System



| | | | | |
|-----------------------------|-------------------------------------------------------|---------------|----------------|----------------|
| Battery Package | Battery Package (10.24kwh, 51.2V,83Kg, 700*435*265mm) | | | |
| Number of Package | 1 | 2 | 3 | 4 |
| Usable Capacity | 10KWh | 20KWh | 30KWh | 40KWh |
| Cont. Output Current | 200A | 200A | 200A | 200A |
| Peak Output Current | 250A | 250A | 250A | 250A |
| 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*565mm | 700*435*830mm | 550*435*1095mm | 700*435*1360mm |
| Weight (Kg) | 141 | 224 | 307 | 390 |
| 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 | | | |

5-8 Pack Energy Storage System



| | | | | |
|-----------------------------|-------------------------------------------------------|----------------|----------------|----------------|
| Battery Package | Battery Package (10.24kwh, 51.2V,83Kg, 700*435*265mm) | | | |
| Number of Package | 5 | 6 | 7 | 8 |
| Usable Capacity | 50KWh | 60KWh | 70KWh | 80KWh |
| Cont. Output Current | 200A | 200A | 200A | 200A |
| Peak Output Current | 250A | 250A | 250A | 250A |
| 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*1625mm | 700*435*1890mm | 700*435*2115mm | 700*435*2420mm |
| Weight (Kg) | 473 | 556 | 639 | 722 |
| 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 | | | |

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