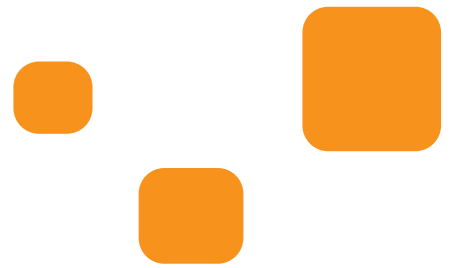




PING Solar

P I N E R G Y S O L A R



Hefei Pinergy Solar Technology Co.,Ltd
info@pnsolarpv.com

合肥品能光伏科技有限公司

Hefei Pinergy Solar Technology Co.,Ltd.

WHO WE ARE

PNG Solar—committed to providing high-performance and technologically advanced energy storage products to global customers; Using shared platform as the strategic core, we aim to helping global partners quickly build localized production and intelligent manufacturing capabilities.

PNG Solar-CHINA SCIENCE ASPIRING BATTERY.

2GWh

Annual Production Capacity

200%

Annual Business Growth

200+

Total Employees

100+

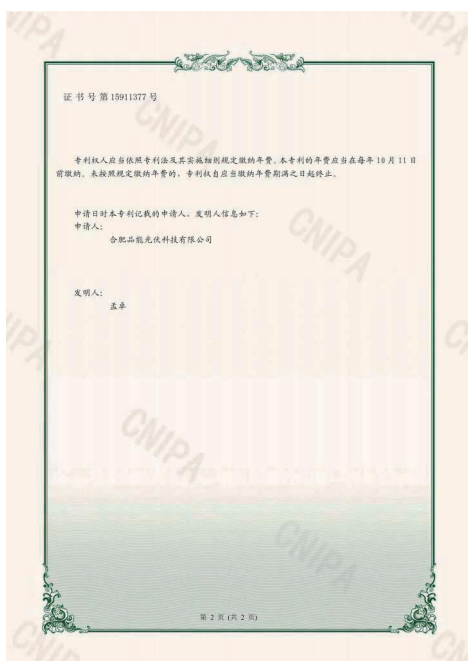
Countries Covered

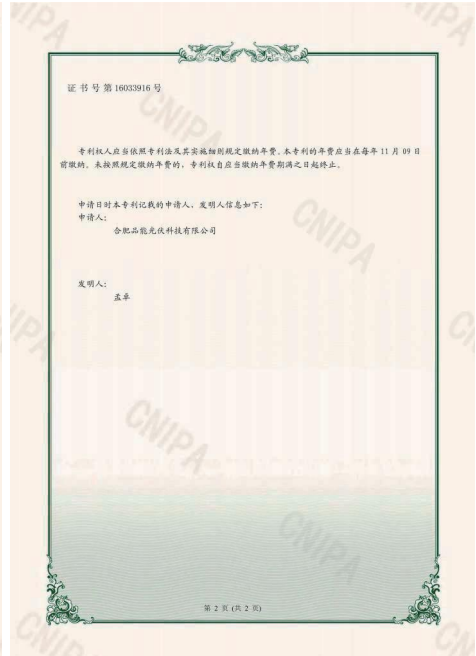
40%

Employees in R&D

6

Continents Covered





Residential ESS

12.8V 100/200Ah



Product Features:



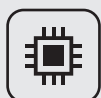
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Scalable



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | PNG-E12100-LV | PNG-E12200-LV |
|---------------------------------------|-------------------------------------------|---------------|
| Nominal Voltage | 12.8V | |
| Nominal Capacity | 100Ah | 200Ah |
| Nominal Energy | 1.28kWh | 2.56kWh |
| Output Voltage Range | 10.8-14.6V | |
| Charge Voltage Range | 12.8-14.6V | |
| Discharge Cut-off Voltage | 10.8V | |
| Max. Charge/ Discharge Current | 1C, 100A | 1C, 200A |
| Recommend Charge Current (Continuous) | 0.5C, 50A | 0.5C, 100A |
| Scalability | Up to 15pcs connected in parallel | |
| Depth of Discharge (DOD) | 80%/25°C/0.5C, SOC≥80% | |
| Display Type | LCD Screen (Optional) | |
| Protection Level | IP54 | |
| Working Temperature Range | Charge: 0°C~+55°C. Discharge: -20°C~+55°C | |
| Storage Temperature Range | -10°C~+30°C | |
| Humidity | 5%~95% RH | |
| Cycle Life | ≥4000cycles | |
| Protection | Built-in smart BMS, Breaker, Fuse | |
| Communication Port | CAN / RS485 | |
| Warranty | 3years | |
| Installation | Floor-Mounted | |
| Cooling Mode | Air-cooling | |
| Dimension(L*W*H) | 255*165*215mm | 480*165*240mm |
| Weight | 16kgs | 28kgs |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1. Charging Management

- a. Pls use the lithium battery charger. b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

- a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
b. Please avoid constant discharging with high-current (>1C), in case of over-heat.

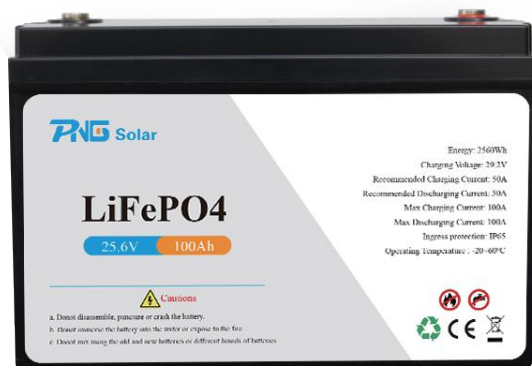
3. Cautions

- a. It's forbidden to disassemble, puncture or crash the battery. b. It's forbidden to immerse the battery into the water or expose to the fire.
c. It's forbidden to mix using the old and new batteries or different brands of batteries.



Residential ESS

25.6V 100/200Ah



Product Features:



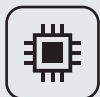
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Scalable



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



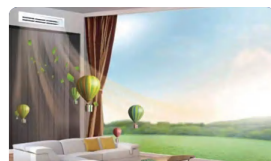
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | PNG-E24100-LV | PNG-E24200-LV |
|---------------------------------------|-------------------------------------------|---------------|
| Nominal Voltage | 25.6V | |
| Nominal Capacity | 100Ah | 200Ah |
| Nominal Energy | 2.56kWh | 5.12kWh |
| Output Voltage Range | 21.6-29.2V | |
| Charge Voltage Range | 25.6-29.2V | |
| Discharge Cut-off Voltage | 21.6V | |
| Max. Charge/ Discharge Current | 1C, 100A | 1C, 200A |
| Recommend Charge Current (Continuous) | 0.5C, 50A | 0.5C, 100A |
| Scalability | Up to 15pcs connected in parallel | |
| Depth of Discharge (DOD) | 80%/25°C/0.5C, SOC≥80% | |
| Display Type | LCD Screen (Optional) | |
| Protection Level | IP54 | |
| Working Temperature Range | Charge: 0°C~+55°C. Discharge: -20°C~+55°C | |
| Storage Temperature Range | -10°C~+30°C | |
| Humidity | 5%~95% RH | |
| Cycle Life | ≥4000cycles | |
| Protection | Built-in smart BMS, Breaker, Fuse | |
| Communication Port | CAN / RS485 | |
| Warranty | 3years | |
| Installation | Floor-Mounted | |
| Cooling Mode | Air-cooling | |
| Dimension(L*W*H) | 480*165*240mm | 635*240*225mm |
| Weight | 30kgs | 40kgs |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1. Charging Management

- a. Pls use the lithium battery charger. b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

- a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
b. Please avoid constant discharging with high-current (>1C), in case of over-heat.

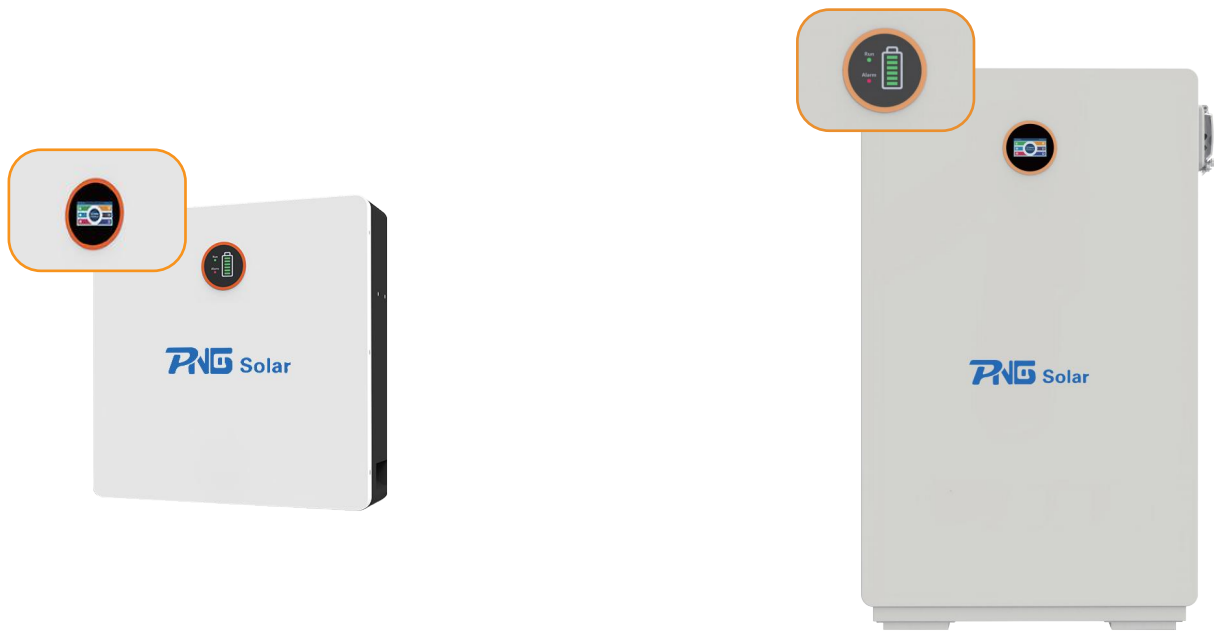
3. Cautions

- a. It's forbidden to disassemble, puncture or crash the battery. b. It's forbidden to immerse the battery into the water or expose to the fire.
c. It's forbidden to mix using the old and new batteries or different brands of batteries.



Residential ESS

LiFePO4 Lithium Battery Pack Wall-Mounted Model



Product Features:



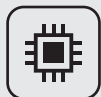
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Up to 15pcs to connect in parallel



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



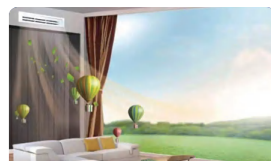
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | PNG-E51100-LV | PNG-E51200-LV |
|---------------------------------------|-------------------------------------------|---------------|
| Nominal Voltage | 51.2V | |
| Nominal Capacity | 100Ah | 200Ah |
| Nominal Energy | 5.12kWh | 10.24kWh |
| Output Voltage Range | 43.2-58.4V | |
| Charge Voltage Range | 51.2-58.4V | |
| Discharge Cut-off Voltage | 43.2V | |
| Max. Charge/ Discharge Current | 1C, 100A | 1C, 200A |
| Recommend Charge Current (Continuous) | 0.5C, 50A | 0.5C, 100A |
| Scalability | Up to 15pcs connected in parallel | |
| Depth of Discharge (DOD) | 80%/25°C/0.5C, SOC≥80% | |
| Display Type | LCD Screen | |
| Protection Level | IP54(Indoor) | |
| Working Temperature Range | Charge: 0°C~+55°C. Discharge: -20°C~+55°C | |
| Storage Temperature Range | -10°C~+30°C | |
| Humidity | 5%~95% RH | |
| Cycle Life | ≥6000cycles | |
| Protection | Built-in smart BMS, Breaker, Fuse | |
| Communication Port | CAN / RS485 | |
| Warranty | 5years | |
| Installation | Wall-Mounted | |
| Cooling Mode | Air-cooling | |
| Dimension(L*W*H) | 360*163*550mm | 480*197*780mm |
| Weight | 41kgs | 80kgs |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1. Charging Management

- a. Pls use the lithium battery charger.
- b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

- a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
- b. Please avoide consistant discharging with high-current (>1C), in case of over-heat.

3. Cautions

- a. It's forbidden to disassemble, puncture or crash the battery.
- b. It's forbidden to immerse the battery into the water or expose to the fire.
- c. It's forbidden to mix using the old and new batteries or different brands of batteries.



Residential ESS

LiFePO4 Lithium Battery Pack Floor-mounted Model



Product Features:



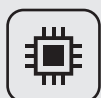
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Up to 15pcs to connect in parallel



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | PNG-E51314-LV |
|---------------------------------------|-------------------------------------------|
| Nominal Voltage | 51.2V |
| Nominal Capacity | 314Ah |
| Nominal Energy | 16.076kWh |
| Output Voltage Range | 43.2-58.4V |
| Charge Voltage Range | 51.2-58.4V |
| Discharge Cut-off Voltage | 43.2V |
| Max. Charge/ Discharge Current | 140/150A |
| Recommend Charge Current (Continuous) | 63A |
| Scalability | Up to 15pcs connected in parallel |
| Depth of Discharge (DOD) | 80%/25°C/0.5C, SOC≥80% |
| Display Type | LCD Screen |
| Protection Level | IP54(Indoor) |
| Working Temperature Range | Charge: 0°C~+55°C. Discharge: -20°C~+55°C |
| Storage Temperature Range | -10°C~+30°C |
| Humidity | 5%~95% RH |
| Cycle Life | ≥6000cycles |
| Design Life | 10 years |
| Protection | Built-in smart BMS, Breaker, Fuse |
| Communication Port | CAN / RS485 |
| Warranty | 5years |
| Installation | Wall-Mounted |
| Cooling Mode | Air-cooling |
| Dimension(L*W*H) | 479*274*890mm |
| Weight | 120kgs |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1. Charging Management

- a. Pls use the lithium battery charger. b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

- a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
b. Please avoide consistant discharging with high-current (>1C), in case of over-heat.

3. Cautions

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Residential ESS

5KW Inverter Integrated with 5KWH
LiFePO4 All-in-one Model



Product Features:



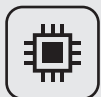
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Scalable



Wide Compatibility
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Advanced Battery Management System
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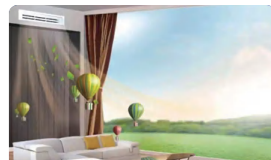
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | 100 | 200 |
|---------------------------------------|---------------------------------------------------------------|-----------------------|
| Battery Specification | | |
| Nominal Energy | 51.2V 100Ah | 51.2V 200Ah |
| Output Voltage Range | 43.2-58.4V | |
| Charge Voltage Range | 51.2-58.4V | |
| Discharge Cut-off Voltage | 43.2V | |
| Max. Charge/ Discharge Current | 1C, 100A | 1C, 200A |
| Recommend Charge Current (Continuous) | 0.5C, 50A | 0.5C, 100A |
| Cycle life | ≥6000cycles | |
| PV Specification | | |
| Max. Input Power | 5500W | |
| Input Voltage Range | 120-500VDC | |
| AC Specification | | |
| Rated Power | 5000W | |
| Rated Output Voltage | 220/230/240Vac±5% (L+N+PE) | |
| Rated Input Voltage | 90-280Vac (normal mode) | 170-280Vac (UPS mode) |
| Rated Frequency | 50/60Hz | |
| Wave | Pure Sine Wave | |
| All-in-one Specification | | |
| Net Weight | 57kgs | 100kgs |
| Net Dimension (L*W*H) | 480*160*850mm | 540*160*1100mm |
| G.W | 78kgs | 128kgs |
| Dimension after Packaging | 550*370*950mm | 720*370*1270mm |
| Operating Temperature | Charge: 0°C~+55°C. Discharge: -20°C~+55°C. Storage:10°C~+45°C | |
| Indicator | Running/Alarm/SOC | |
| Communication | RS485/CAN/WIFI | |
| Installation | Wall-Mounted | |
| Certifications | MSDS/UN38.3/IEC/CE etc. | |
| Scalability | Up to 9pcs connected in parallel | |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1. Charging Management

- a. Pls use the lithium battery charger. b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

- a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
b. Please avoide consistant discharging with high-current (>1C), in case of over-heat.

3. Cautions

- a. It's forbidden to disassemble, puncture or crash the battery. b. It's forbidden to immerse the battery into the water or expose to the fire.
c. It's forbidden to mix using the old and new batteries or different brands of batteries.



Residential ESS

LiFePO4 Lithium Battery Pack Low Voltage Stackable Model



Product Features:



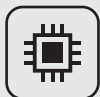
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Scalable



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



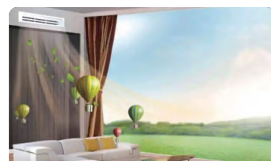
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | 51100 | 51200 | 51300 | 51400 |
|---------------------------------------|-------------------------------------------|---------------|---------------|---------------|
| Nominal Voltage | 51.2V | | | |
| Nominal Capacity | 100Ah | 200Ah | 300Ah | 400Ah |
| Nominal Energy | 5.12kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| Output Voltage Range | 44.8-58.4V | | | |
| Charge Voltage Range | 51.2-58.4V | | | |
| Discharge Cut-off Voltage | 44.8V | | | |
| Max. Charge/ Discharge Current | 100A | 200A | 200A | |
| Recommend Charge Current (Continuous) | 50A | 100A | 140A | |
| Scalability | Up to 8pcs connected in parallel | | | |
| Depth of Discharge (DOD) | 90%/25°C/0.5C, SOC≥80% | | | |
| Display Type | LCD Screen | | | |
| Protection Level | IP54 (Indoor) | | | |
| Working Temperature Range | Charge: 0°C~+55°C. Discharge: -20°C~+55°C | | | |
| Storage Temperature Range | -10°C~+30°C | | | |
| Humidity | 5%~95% RH | | | |
| Cycle Life | ≥6000cycles | | | |
| Protection | Built-in smart BMS, Breaker, Fuse | | | |
| Communication Port | CAN / RS485 | | | |
| Warranty | 5years | | | |
| Installation | Floor-Mounted | | | |
| Cooling Mode | Air-cooling | | | |
| Dimension(L*W*H) | 650*370*160mm | 650*370*320mm | 650*370*480mm | 650*370*640mm |
| Weight | 42kgs | 84kgs | 129kgs | 172kgs |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1. Charging Management

- a. Pls use the lithium battery charger.
- b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

- a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
- b. Please avoid constant discharging with high-current (>1C), in case of over-heat.

3. Cautions

- a. It's forbidden to disassemble, puncture or crash the battery.
- b. It's forbidden to immerse the battery into the water or expose to the fire.
- c. It's forbidden to mix using the old and new batteries or different brands of batteries.



Residential ESS

LiFePO4 Lithium Battery Pack
High Voltage Stackable Model



Product Features:



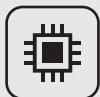
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Scalable



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
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Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | 51100 | 102100 | 153100 | 204100 |
|---------------------------------------|-------------------------------------------|---------------|---------------|---------------|
| Nominal Voltage | 51.2V | 102.4V | 153.6V | 204.8V |
| Nominal Capacity | 100Ah | | | |
| Nominal Energy | 5.12kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| Output Voltage Range | 44.8-58.4V | 86.4-116.8V | 134.4-175.2V | 179.2-233.6V |
| Charge Voltage Range | 51.2-58.4V | 102.4-116.8V | 153.6-175.2V | 204.8-233.6V |
| Discharge Cut-off Voltage | 44.8V | 86.4V | 134.4V | 179.2V |
| Max. Charge/ Discharge Current | 100A | | | |
| Recommend Charge Current (Continuous) | 50A | | | |
| Scalability | Up to 4pcs connected in parallel | | | |
| Depth of Discharge (DOD) | 90%/25°C/0.5C, SOC≥80% | | | |
| Display Type | LCD Screen | | | |
| Protection Level | IP54 (Indoor) | | | |
| Working Temperature Range | Charge: 0°C~+55°C. Discharge: -20°C~+55°C | | | |
| Storage Temperature Range | -10°C~+30°C | | | |
| Humidity | 5%~95% RH | | | |
| Cycle Life | ≥6000cycles | | | |
| Protection | Built-in smart BMS, Breaker, Fuse | | | |
| Communication Port | CAN / RS485 | | | |
| Warranty | 5years | | | |
| Installation | Floor-Mounted | | | |
| Cooling Mode | Air-cooling | | | |
| Dimension(L*W*H) | 650*370*160mm | 650*370*480mm | 650*370*525mm | 650*370*700mm |
| Weight | 45kgs | 100kgs | 160kgs | 205kgs |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1. Charging Management

- a. Pls use the lithium battery charger.
- b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

- a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
- b. Please avoid constant discharging with high-current (>1C), in case of over-heat.

3. Cautions

- a. It's forbidden to disassemble, puncture or crash the battery.
- b. It's forbidden to immerse the battery into the water or expose to the fire.
- c. It's forbidden to mix using the old and new batteries or different brands of batteries.



Residential ESS

LiFePO4 Lithium Battery Pack Low Voltage Rack-Mounted Model



Product Features:



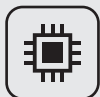
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Scalable



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | 100 | 200 | 300 | 400 |
|---------------------------------------|-------------------------------------------|---------------|---------------|---------------|
| Nominal Voltage | 51.2V | | | |
| Nominal Capacity | 100Ah | 200Ah | 300Ah | 400Ah |
| Nominal Energy | 5.12kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| Output Voltage Range | 43.2-58.4V | | | |
| Charge Voltage Range | 51.2-58.4V | | | |
| Discharge Cut-off Voltage | 43.2V | | | |
| Max. Charge/ Discharge Current | 100A | 200A | 300A | 400A |
| Recommend Charge Current (Continuous) | 50A | 100A | 140A | 140A |
| Scalability | Up to 15pcs connected in parallel | | | |
| Depth of Discharge (DOD) | 90%/25°C/0.5C, SOC≥80% | | | |
| Display Type | LCD Screen | | | |
| Protection Level | IP21 (Indoor) | | | |
| Working Temperature Range | Charge: 0°C~+55°C. Discharge: -20°C~+55°C | | | |
| Storage Temperature Range | -10°C~+30°C | | | |
| Humidity | 5%~95% RH | | | |
| Cycle Life | ≥6000cycles | | | |
| Protection | Built-in smart BMS, Breaker, Fuse | | | |
| Communication Port | CAN / RS485 | | | |
| Warranty | 5years | | | |
| Installation | Floor-Mounted | | | |
| Cooling Mode | Air-cooling | | | |
| Dimension(W*D*H) | 480*460*134mm | 480*460*268mm | 480*460*402mm | 480*460*536mm |
| Weight | 42kgs | 84kgs | 132kgs | 176kgs |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1. Charging Management

- a. Pls use the lithium battery charger. b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

- a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
b. Please avoid constant discharging with high-current (>1C), in case of over-heat.

3. Cautions

- a. It's forbidden to disassemble, puncture or crash the battery. b. It's forbidden to immerse the battery into the water or expose to the fire.
c. It's forbidden to mix using the old and new batteries or different brands of batteries.



Residential ESS

LiFePO4 Lithium Battery Pack High Voltage Rack-mounted Model



Product Features:



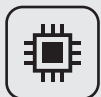
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



High Scalability
Scalable



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | 51100 | 102100 | 153100 | 204100 |
|---------------------------------------|-------------------------------------------|---------------|---------------|---------------|
| Nominal Voltage | 51.2V | 102.4V | 153.6V | 204.8V |
| Nominal Capacity | 100Ah | | | |
| Nominal Energy | 5.12kWh | 10.24kWh | 15.36kWh | 20.48kWh |
| Output Voltage Range | 43.2-58.4V | 86.4-113.8V | 134.4-175.2V | 179.2-233.6V |
| Charge Voltage Range | 51.2-58.4V | 102.4-116.8V | 153.6-175.2V | 204.8-233.6V |
| Discharge Cut-off Voltage | 86.4V | 129.6V | 134.4V | 179.2V |
| Max. Charge/ Discharge Current | 100A | | | |
| Recommend Charge Current (Continuous) | 50A | | | |
| Depth of Discharge (DOD) | 90%/25°C/0.5C, SOC≥80% | | | |
| Display Type | LCD Screen | | | |
| Protection Level | IP21 (Indoor) | | | |
| Working Temperature Range | Charge: 0°C~+55°C. Discharge: -20°C~+55°C | | | |
| Storage Temperature Range | -10°C~+30°C | | | |
| Humidity | 5%~95% RH | | | |
| Cycle Life | ≥6000cycles | | | |
| Protection | Built-in smart BMS, Breaker, Fuse | | | |
| Communication Port | CAN / RS485 | | | |
| Warranty | 5years | | | |
| Installation | Floor-Mounted | | | |
| Cooling Mode | Air-cooling | | | |
| Dimension(L*W*H) | 650*370*160mm | 650*370*320mm | 650*370*702mm | 650*370*862mm |
| Weight | 42kgs | 84kgs | 156kgs | 198kgs |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

1. Charging Management

- a. Pls use the lithium battery charger.
- b. It's forbidden to charge the battery under 0°C.

2. Discharging Management

- a. Pls charge the battery in time after the battery discharging cut-off to protect the battery cells.
- b. Please avoid consistent discharging with high-current (>1C), in case of over-heat.

3. Cautions

- a. It's forbidden to disassemble, puncture or crash the battery.
- b. It's forbidden to immerse the battery into the water or expose to the fire.
- c. It's forbidden to mix using the old and new batteries or different brands of batteries.



C&I ESS

30KW Inverter With 60KWH LiFePO4



Product Features:

- Higher safe performance and longer cycle life
- Easy to install and deploy with large space utilization
- Unique modular design & flexible function configuration
- With self-use, peak shifting, forced charging & discharging and other working modes
- Strong scalability, simple & convenient expansion on both AC and DC sides

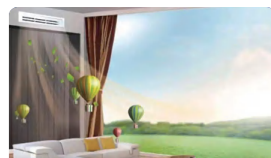


| Battery Specification | PNG30KW-60kWh |
|--------------------------------------------------|-----------------------------------------------------|
| Number of Battery Packs | 6 |
| Rated Voltage | 307.2V |
| Voltage Range | 268.8~350.4V |
| Rated Energy | 60kWh |
| Max. Continuous Charging and Discharging Current | 100A |
| Communication | RS485/CAN |
| Cycle Life | 6000 times |
| PV Specification | |
| Max.PV Input Power | 39kW |
| Rated Input Voltage | 600VDC |
| Max.Input Voltage | 1000VDC |
| MPPT Voltage Range | 200~850VDC |
| PV Input Current | 36+36+36(A) |
| AC Side Specification | |
| AC Rated Input/Output Power | 30kVA |
| AC Max. Input/Output Power | 33kVA |
| AC Rated Input/Output Current | 45.6A |
| AC Max. Input/Output Power | 60A |
| Voltage | 3L/N/PE; 230/400V |
| Frequency | 50/60Hz |
| THDi | ≤3% |
| Power Factor | 0.8 leading to 0.8 lagging |
| System Specification | |
| Dimension (W*H*D) | 840*1045*1550mm |
| Weight | 960kg |
| Communication | CAN/RS485/WiFi/ETH |
| Warranty | 10 years |
| Protection Level | IP55 |
| Cooling | Air-cooling |
| Environment temperature | -30~50°C |
| Humidity | 10%~95%RH |
| Altitude | <2000m |
| Certifications | UN38.3/CE/IEC62619/CEI 0-21/VDE-AR-N 4105/IEC 62109 |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

C&I ESS

40KW PCS With 80KWH LiFePO4



Product Features:



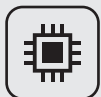
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



ECONOMIC
Zero power loss through efficient temperature control and frequency variation.



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Battery Specification | PNG40KW-80kWh |
|--------------------------------------------------|-----------------------------------------------------|
| Number of Battery Packs | 8 |
| Rated Voltage | 409.6V |
| Voltage Range | 358.4~467.2V |
| Rated Energy | 81.92kWh |
| Max. Continuous Charging and Discharging Current | 100A |
| Communication | RS485/CAN |
| Cycle Life | 6000 times |
| PV Specification | |
| Max.PV Input Power | 52kW |
| Rated Input Voltage | 600VDC |
| Max.Input Voltage | 1000VDC |
| MPPT Voltage Range | 150~850VDC |
| PV Input Current | 36+36+36+36(A) |
| AC Side Specification | |
| AC Rated Input/Output Power | 40kVA |
| AC Max. Input/Output Power | 44kVA |
| AC Rated Input/Output Current | 60.7 / 58A |
| AC Max. Input/Output Power | 66.7 / 63.8A |
| Voltage | 3L/N/PE; 230/400V |
| Frequency | 50/60Hz |
| THDi | ≤3% |
| Power Factor | 0.8 leading to 0.8 lagging |
| System Specification | |
| Dimension (W*H*D) | 840*1045*1870mm |
| Weight | 1050kgs |
| Communication | CAN/RS485/WiFi/ETH |
| Warranty | 10 years |
| Protection Level | IP55 |
| Cooling | Air-cooling |
| Environment temperature | -30°C~50°C |
| Humidity | 10%~95%RH |
| Altitude | <2000m |
| Certifications | UN38.3/CE/IEC62619/CEI 0-21/VDE-AR-N 4105/IEC 62109 |

Application Scenarios



C&I ESS

50KW PCS With 128KWH LiFePO4
All-in-one Cabinet



Product Features:



Higher Safe Performance and Longer Cycle Life
With breaker and fuse



ECONOMIC
Zero power loss through efficient temperature control and frequency variation.



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



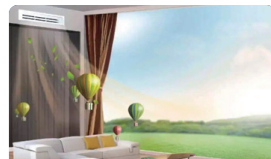
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | PNG50kW—128kWh | |
|---------------------------------------------------|----------------------------------------|----------------------|
| Battery Data | | |
| Nominal Energy | 128.6kWh | |
| Nominal Voltage | 409.6V | |
| Battery Chemistry | Lithium Iron Phosphate (LiFePO4) | |
| Cycle Life | ≥8000 cycles (@25°C/0.5P) | |
| Cell Specification | 3.2V 314Ah | |
| Battery Pack Energy | 16.0768kWh | |
| Number of Racks | 1 | |
| String Configuration | 1P128S | |
| Operation Voltage | 358.4V~467.2V | |
| Rated Charging Power | 0.5P | |
| Rated Discharging Power | 0.5P | |
| Safety | | |
| Fire Suppression System | Aerosol fire extinguishing | |
| Inverter Data | | |
| Rated Power | 50kW | |
| Please Refer To The Pcs Section For More Details. | | |
| General | | |
| Dimensions (W*D*H) | 1050*1180*2250mm | |
| Weight | Approximately 1200kg | Approximately 1250kg |
| IP Rating | IP55 | |
| Cooling Method | Liquid cooling | |
| Operation Temperature | -20°C ~+ 50°C | |
| Storage Temperature | -20°C~+ 45°C | |
| Relative Humidity | 15%~90% (Non-condensing) | |
| Operating Altitude | ≤3000m | |
| Communication Interfaces | LAN/CAN/RS485 | |
| Compliance | IEC 62619, IEC/EN 61000, UN 38.3, MSDS | |

Application Scenarios



Refrigerator



Air System



Lighting

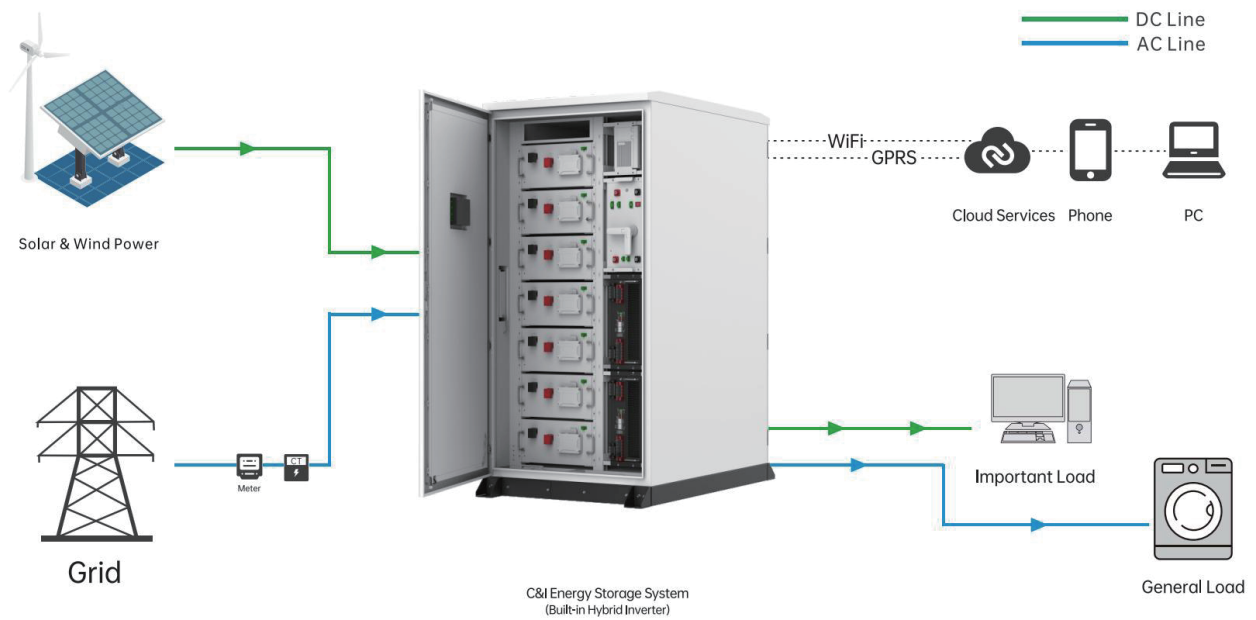


Small Home Appliances





Product Features:



| Model | S6-EH3P50K-H |
|----------------------------------------------|--------------------------------------------------|
| Input DC (PV side) | |
| Recommended max. PV array size | 100kW |
| Max. usable PV input power | 96kW |
| Max. input voltage | 1000V |
| Rated voltage | 600V |
| Start-up voltage | 180V |
| MPPT voltage range | 150-850V |
| Max. input current | 4×40A |
| Max. short circuit current | 4×40A |
| MPPT number/ Max. input strings number | 4/8 |
| Battery | |
| Battery type | Li-ion |
| Battery voltage range | 150-800V |
| Max. charge/ discharge power | 55kW |
| Max. charge / discharge current | 70A×2 ⁽¹⁾ |
| Number of battery inputs | 2 |
| Max. charge / discharge power of each inputs | 35kW |
| Communication | CAN/RS485 |
| Output AC (Grid side) | |
| Rated output power | 50kW |
| Max. apparent output power | 50kVA |
| Rated grid voltage | 3 / N / PE, 220V / 380V, 230V / 400V |
| Rated grid frequency | 50Hz / 60Hz |
| Rated grid output current | 76A / 72.2A |
| Max. output current | 76A / 72.2A |
| Power factor | >0.99 (0.8lwading-0.8lagging) |
| THDI | <3% |
| Input AC (Grid side) | |
| Max. AC passthrough current | 152A / 144.4A |
| Rated input voltage | 3 / N / PE, 220V / 380V; 3 / N / PE, 230V / 400V |
| Rated input frequency | 50Hz / 60Hz |
| Input Generator | |
| Max. input power | 50kW |
| Rated input current | 76A / 72.2A |
| Rated input voltage | 3 / N / PE, 220V / 380V; 3 / N / PE, 230V / 400V |
| Rated input frequency | 50Hz / 60Hz |
| Output AC (Back-up) | |
| Rated output power | 30kW |
| Max. apparent output power | 1.6 times of rated power, 2s |



| Model | S6-EH3P50K-H |
|----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Back-up switch time | <10ms |
| Rated output voltage | 3 / N / PE, 220V / 380V; 3 / N / PE, 230V / 400V |
| Rated frequency | 50Hz / 60Hz |
| Rated output current | 45.6A / 43.3A |
| THDv (@linear load) | <2% |
| Efficiency | |
| Max. efficiency | 97.8% |
| EU efficiency | 97.4% |
| BAT charged/discharged to AC max. efficiency | 98.5% |
| BAT charged/discharged to Ac max. Efficiency | 97.5% |
| Protection | |
| Anti-islanding protection | Yes |
| Output over current protection | Yes |
| Short circuit protection | Yes |
| Integrated DC switch | Yes |
| DC reverse-polarity protection | Yes |
| Surge protection | DC Type II / AC Type II |
| Integrated AFCI 2.0 | Optional |
| General Data | |
| Dimensions (W x H x D) | 530×880×290 mm |
| Weight | 73 kg |
| Topology | Transformerless |
| Self-consumption (night) | <35W |
| Operating ambient temperature range | -25°C~ +60°C |
| Relative humidity | 0-95% |
| Ingress protection | IP66 |
| Cooling concept | Intelligent redundant fan-cooling |
| Max. operation altitude | 4000 m |
| Grid connection standard | G99, VDE-AR-N 4105 / VDEVO124, EN 50549-1&2 / EN 50549-10, VDE0126 / UTEC15 / VFR:2019, NTS631 / RD 1699 / RD 244 / UNE206006 / UNE206007-1, CE10-21,C10/11.NRS097-2-1, TOR, EIFS2018.2, IEC62116, IEC61727, IEC60068, 1EC61683, EN 50530, MEA, PEA, PORTARIA N° 140, DE 21 DE MARCO DE2022 |
| Safety/ EMC standard | IEC/EN 62109-1/-2, IEC/EN 61000-6-2&4, EN 55011 |
| Features | |
| PV connection | MC4 Quick connection plug |
| Battery connection | Terminal connector |
| AC connection | Terminal block |
| Display | 7.0" LCDdisplay & Bluetooth + APP |
| Communication | CAN, RS485-115200, Ethernet, Optional: Wi.Fi, Cellular, LAN |

(1) Supporting parallel 140A input.



C&I ESS

PNG100KW-200kWh



Product Features:



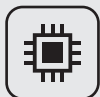
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



ECONOMIC
Zero power loss through efficient temperature control and frequency variation.



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



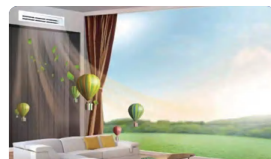
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | PNG100KW-200kWh |
|--------------------------|----------------------------------------|
| Battery Data | |
| Nominal Energy | 200.704kWh |
| Nominal Voltage | 716.8V |
| Cycle Life | ≥8000 cycles (@28°C, 0.5P/0.5P) |
| Cell Specification | 3.2V 280Ah |
| Battery Pack Energy | 14.336kWh |
| String Configuration | 1P224S |
| Number of Racks | 1 |
| Operation Voltage | 604.8V~817.4V |
| Rated Charging Power | 0.5P |
| Rated Discharging Power | 0.5P |
| Safety | |
| Fire Suppression System | Aerosol fire extinguishing |
| General | |
| Dimensions (W*D*H) | 1700*1425*2500mm |
| Weight | Approximately 2300kg |
| IP Rating | IP54 |
| Cooling Method | Smart air cooling |
| Operation Temperature | -20°C ~+ 55°C |
| Storage Temperature | -30°C~+60°C |
| Relative Humidity | 15%~90% (Non-condensing) |
| Operating Altitude | ≤3000m |
| Communication Interfaces | LAN/CAN/RS485 |
| Compliance | IEC 62619, IEC/EN 61000, UN 38.3, MSDS |
| Operation Humidity | |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances



C&I ESS

100KW PCS With 215KWH LiFePO4



Product Features:



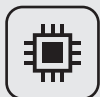
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



ECONOMIC
Zero power loss through efficient temperature control and frequency variation.



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



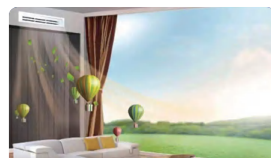
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | PNG100KW-215kWh |
|-------------------------------|-----------------------------------------------------------------------|
| Battery Module Data | |
| Battery Type | LFP 3.2V/280Ah |
| Battery Pack Capacity | 53.76kWh |
| Battery System Capacity | 215kWh |
| Operating Voltage Range | 672 ~ 876V |
| Number of Temperature Sensor | 128 |
| Battery Pack Protection Level | IP67 |
| AC Output Data | |
| Rated Output Power | 100kW |
| Peak Output Power | 110kW |
| THDi | <3% |
| Nominal Voltage | 380/400Vac, 3L/N/PE |
| Power Factor | >0.99 |
| Adjustable Power Factor Range | -1 ~ 1 (leading ~ lagging) |
| Nominal Frequency | 50/60Hz |
| System Data | |
| Round Trip Efficiency | >89% |
| Depth of Discharge (DOD) | 0 ~ 100% |
| Cycle Life | ≥8000@70%EOL |
| Communication Interfaces | Ethernet |
| Protection Level | IP54 |
| Cooling Type | Liquid cooling |
| Altitude | ≤3000m |
| Operation Temperature | -25°C ~ 55°C |
| Operation Humidity | 0 ~ 95%, non-condensing |
| Noise | <75dB @1m |
| Dimension (W*D*H) | 1040*1500*2200mm |
| Fire Protection | Aerosol |
| Weight | <2500kg |
| Grid Code | CEI-021/EN 50549-1/EN 50549-2 |
| Safety/EMC | IEC 62619/IEC 60730-1 appended H/IEC 62477-1/IEC 61000-6-2, 4/UN 38.3 |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances



C&I ESS

125KW PCS With 241KWH LiFePO4
All-in-one Cabinet



Product Features:



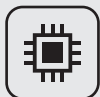
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



ECONOMIC
Zero power loss through efficient temperature control and frequency variation.



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



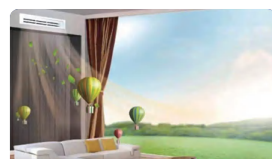
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | PNG125kW—241kWh |
|---------------------------------------------------|----------------------------------------|
| Battery Data | |
| Nominal Energy | 241.15kWh |
| Nominal Voltage | 768V |
| Battery Chemistry | Lithium Iron Phosphate (LiFePO4) |
| Cycle Life | ≥8000 cycles (@25°C/0.5P) |
| Cell Specification | 3.2V 314Ah |
| Battery Pack Energy | 48.23kWh |
| String Configuration | 1P240S |
| Number of Racks | 1 |
| Operation Voltage | 672V~876V |
| Rated Charging Power | 0.5P |
| Rated Discharging Power | 0.5P |
| Fire Suppression System | |
| Fire Suppression System | Aerosol fire extinguishing |
| Inverter Data | |
| Rated Power | 125kW |
| Please Refer To The Pcs Section For More Details. | |
| General | |
| Dimensions (W*D*H) | 1180*1360*2250mm |
| Weight | Approximately 2400kg |
| IP Rating | IP54 |
| Cooling Method | Smart air cooling |
| Operation Temperature | -20°C ~+ 50°C |
| Storage Temperature | -20°C~+45°C |
| Relative Humidity | 15%~90% (Non-condensing) |
| Operating Altitude | ≤3000m |
| Communication Interfaces | LAN/CAN/RS485 |
| Compliance | IEC 62619, IEC/EN 61000, UN 38.3, MSDS |

Application Scenarios



Refrigerator



Air System



Lighting

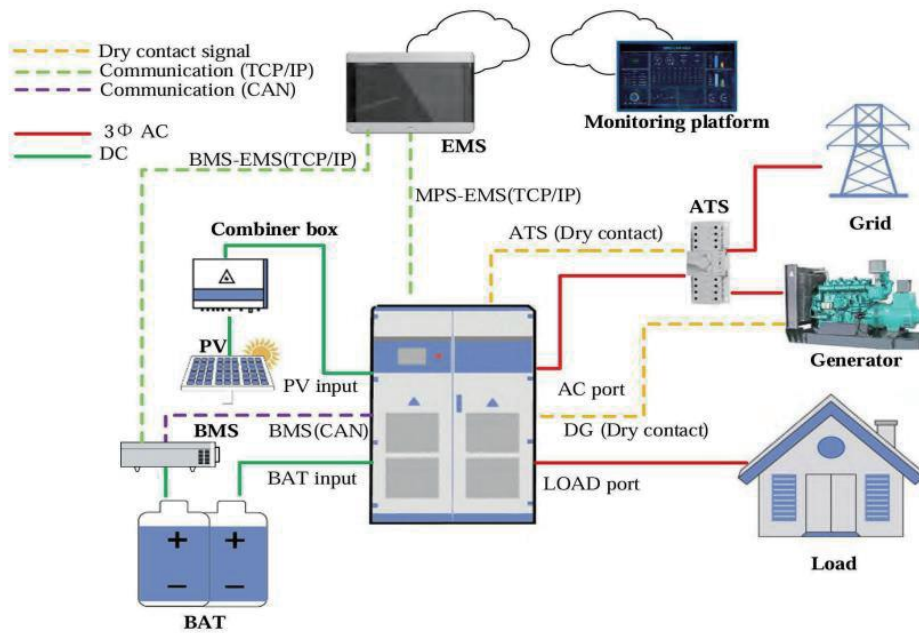


Small Home Appliances



C&I ESS

125KW PCS With 241KWH LiFePO4
All-in-one Cabinet



Product Features:



PV / Wind Power Energy Storage / Commercial & Industrial (C&I) Energy Storage / Grid-Side Energy Storage / Solar-Integrated EV Charging / Microgrid



| Model | PNG125kW—241kWh |
|-------------------------------------------|------------------------------------------------------------------------------------------------|
| DC Side Parameters | |
| DC voltage range | DC600V~1000V(Full - load voltage:DC630V-950V limited load voltage:DC600V-630V,DC950V-1000V) |
| Cycle Life | ≥8000 cycles (@28°C, 0.5P/0.5P) |
| Full-load voltage range | DC630V~950V |
| Rated DC current | 198A |
| Rated DC power | 125kW |
| AC Side Parameters | |
| Rated AC power | 125kW |
| Overload capacity | 1.1 times (Ambient temperature ≤ 40°C) |
| Rated voltage | AC400V |
| Rated AC current | 180A |
| AC access method | Three-phase four-wire |
| Grid voltage range | 400V (-15%~+15%) |
| Grid frequency range | 50Hz / 60Hz±2.5Hz |
| Total harmonic distortion rate of current | ≤ 3% (full load) |
| Power factor | 0.99/-1~1 |
| Current DC component | ≤0.5% |
| Charge and discharge conversion time | <100ms |
| AC Grid-disconnected Parameters | |
| AC grid-disconnected voltage | AC400V |
| AC voltage range | AC400V±3% |
| AC grid-disconnected frequency | 50Hz/60Hz |
| Grid-disconnected output THDU | ≤ 3% (linear load) |
| Unbalanced load capacity | 100% |
| Other Parameters | |
| Maximum conversion efficiency | ≥99% |
| Allowable ambint temperature | 30°C~50°C (Full - load) |
| Allowable relative humidity | ≤95% (No condensation) |
| Noise | ≤75dB |
| Protection grade | IP20 |
| Altitude | 3000 m(≥2000m for limited load) |
| Size | W520mm×H240mm×D680mm |
| Weight | ≤70KG |
| Cooling method | Forced air cooling |
| Wiring, air-out direction | Primary or secondary at the front air-in from front, air-out from rear (One wiring mode) |
| BMS communication interface | CAN or RS485 |
| EMS communication interface | Network interface or RS485 |



C&I ESS

125KW Inverter With 261KWH LiFePO4
All-in-one Cabinet



Product Features:



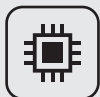
Higher Safe Performance and Longer Cycle Life
With breaker and fuse



ECONOMIC
Zero power loss through efficient temperature control and frequency variation.



Wide Compatibility
Compatible with most of the leading inverter brands



Advanced Battery Management System
Smart BMS from famous brands, to monitor the battery's temperature, current, prevent over-current and etc. Take good control of the charging and discharging of battery to max. the lifespan



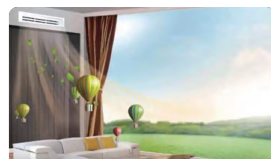
Environmentally Friendly
From reduced carbon emissions to increased energy savings, we've got you covered. It will help reduce your carbon footprint by storing energy from renewable sources like solar power and wind power

| Model | PNG100kW—261kWh | PNG125kW—261kWh |
|---------------------------------------------------|----------------------------------------|-----------------|
| Battery Data | | |
| Nominal Energy | 261kWh | |
| Nominal Voltage | 832V | |
| Battery Chemistry | Lithium Iron Phosphate (LiFePO4) | |
| Cycle Life | ≥8000 cycles (@25°C/0.5P) | |
| Cell Specification | 3.2V 314Ah | |
| Battery Pack Energy | 52.24kWh | |
| String Configuration | 1P260S | |
| Number of Racks | 1 | |
| Operation Voltage | 728V~949V | |
| Rated Charging Power | 0.5P | |
| Rated Discharging Power | 0.5P | |
| Safety | | |
| Fire Suppression System | Aerosol fire extinguishing | |
| Inverter Data | | |
| Rated Power | 100kW | 125kW |
| Please Refer To The Pcs Section For More Details. | | |
| General | | |
| Dimensions (W*D*H) | 1300*1450*1890mm | |
| Weight | Approximately 2600kg | |
| IP Rating | IP54 | |
| Cooling Method | Liquid cooling | |
| Operation Temperature | -20°C ~+ 50°C | |
| Storage Temperature | -20°C~+ 45°C | |
| Relative Humidity | 15%~90% (Non-condensing) | |
| Operating Altitude | ≤3000m | |
| Communication Interfaces | LAN/CAN/RS485 | |
| Compliance | IEC 62619, IEC/EN 61000, UN 38.3, MSDS | |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances





| Model | S6-EH3P100K10-NV-YD-H | S6-EH3P125K10-NV-YD-H |
|----------------------------------------------|-----------------------|-----------------------|
| Input DC (PV side) | | |
| Recommended max. PV array size | 200kW | 250kW |
| Max. usable PV input power | 200kW | 250kW |
| Max. input voltage | 1000V | |
| Rated voltage | 600V | |
| Start-up voltage | 180V | |
| MPPT voltage range | 150-950V | |
| Max. input current | 10×42A | |
| Max. short circuit current | 10×60A | |
| MPPT number/ Max. input strings number | 10/20 | |
| Battery | | |
| Battery type | Li-ion | |
| Battery voltage range | 300-950V | |
| Max. charge / discharge current | 200A/100A+100A | |
| Number of battery ports | 2 | |
| Max. charge / discharge current of each port | 100A | |
| Communication | CAN/RS485 | |

| Model | S6-EH3P100K10-NV-YD-H | S6-EH3P125K10-NV-YD-H |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| Output AC (Grid side) | | |
| Rated output power | 100kW | 125kW |
| Max. apparent output power | 100kW | 125kW |
| Rated grid voltage | 3 / N / PE, 220V / 380V, 230V / 400V | |
| Rated grid frequency | 50Hz / 60Hz | |
| Rated grid output current | 152A / 144.3A | |
| Power factor | >0.99 (0.8lwding-0.8lagging) | |
| THDi | <3% | |
| Input AC (Grid side) | | |
| Max. input current | 250A | |
| Output AC (Back-up) | | |
| Rated output power | 100kW | 125kW |
| Max. apparent output power | 1.2 times of rated power, 10 mins; 1.4 times of rated power, 100 s; 1.6 times of rated power, 10 s; 2 times of rated power, 200 ms | 1.2 times of rated power, 100 s; 1.4 times of rated power, 10 s; 1.6 times of rated power, 200 ms |
| Back-up switch time | <10ms | |
| Rated output voltage | 3 / N / PE, 220V / 380V, 230V / 400V | |
| Rated frequency | 50Hz / 60Hz | |
| THDv (@linear load) | <2% | |
| Input AC (Generator) | | |
| Max. input power | 100kW | 125kW |
| Rated input current | 151.9A / 144.3A | 189.9A / 180.4A |
| Rated input voltage | 3 / N / PE, 220V / 380V, 3 / N / PE, 230V / 400V | |
| Rated input frequency | 50Hz / 60Hz | |
| Efficiency | | |
| Max. efficiency | 125kW | |
| EU efficiency | 189.9A / 180.4A | |
| BAT charged /discharged to AC max. efficiency | 3 / N / PE, 220V / 380V, 3 / N / PE, 230V / 400V | |
| Protection | | |
| Anti-islanding protection | Yes | |
| Output over current protection | Yes | |
| Short circuit protection | Yes | |
| Integrated DC switch | Yes | |
| DC reverse-polarity protection | Yes | |
| Surge protection | DC Type II / AC Type II | |
| Integrated AFCI 2.0 | Optional | |
| Protection class/ Over voltage category | I / DC II, ACIII | |

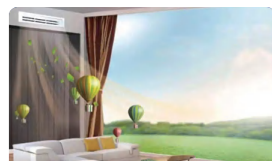


| Model | S6-EH3P100K10-NV-YD-H | S6-EH3P125K10-NV-YD-H |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| General Data | | |
| Max. allowable phaseimbalance (grid & back-up) | 100% | |
| Max. power per phase (grid & back-up) | 33.33kW | 41.66kW |
| Dimensions (W x H x D) | 1174×814×400 mm | |
| Weight | 170 kg | |
| Topology | Transformerless | |
| Operating ambient temperature range | -25°C~ +60°C | |
| Relative humidity | 0-100% | |
| Ingress protection | IP66 | |
| Cooling concept | Intelligent fan-cooling | |
| Max. operation altitude | 3000 m | |
| Grid connection standard | G99, VDE-AR-N 4105 / VDEVO124, EN 50549-1&2 / EN 50549-10, VDE0126 / UTEC15 / VFR:2019, NTS631 / RD 1699 / RD 244 / UNE206006 / UNE206007-1, CE10-21,C10/11.NRS097-2-1, TOR, EIFS2018.2, IEC62116, IEC61727, IEC60068, IEC61683, EN 50530, MEA, PEA, PORTARIA N° 140, DE 21 DE MARCO DE2022 | |
| Safety/ EMC standard | IEC/EN 62109-1/-2, IEC/EN 61000-6-2&4, EN 55011 | |
| Features | | |
| PV connection | MC4 Quick connection plug | |
| Battery connection | Terminal connector | |
| AC connection | Terminal block | |
| Display | 7.0" LCDdisplay & Bluetooth + APP | |
| Communication | CAN, RS485-115200, Ethernet, Optional: Wi.Fi, Cellular, LAN | |

Application Scenarios



Refrigerator



Air System



Lighting



Small Home Appliances

World-Class Components Suppliers

Chooses world-class suppliers to ensure the high quality of its products.

Low Voltage:

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SUMRY

SRNE 硕日

SOROTEC
Power Solutions Expert

TBB POWER



High Voltage:

Deye 德業

GROWATT

GOODWE

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