

Making Energy More
Secure, Efficient and Clean

PowerLution
Lead the Energy Revolution



Power: 3 kW

Energy Capacity: 4.6 kWh

Cycle Life: 6000 cycles



Backup Power



Easy Installation



Expandable



Intelligent Control

PowerLution Residential All-in-one Energy Storage System

POWERLUTION PTY LTD

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 www.powerlution.net

 [linkedin.com/company/powerlution](https://www.linkedin.com/company/powerlution)

 <https://twitter.com/PowerLutionL>

Technical Parameter

| | |
|-------------------------------------|--------------------------------|
| Nominal Energy (kWh) @25°C | 4.6 |
| AC Voltage (Nominal) (V) | 230 (176 ~ 270) |
| Power (W) | 3000 |
| Dimension [W*H*D] (mm) | 580*1280*350 |
| System Weight (kg) | ≤ 107 |
| Installation Location | Indoor |
| Ingress Protection | IP20 |
| Humidity | 5% ~ 95% |
| Life Span (Years) | 10 |
| Inverter | |
| Nominal AC Power (VA) | 3000 |
| Rated Grid Voltage (Range) (V) | 230 (176 ~ 270) |
| Rated Grid Frequency (Hz) | 50 / 60 |
| Max. AC Current (A) | 13 |
| Switch Time (ms) | < 10 |
| User Interface | LCD |
| Phase | Single - Phase |
| MPPT Voltage Range (V) | 125 ~ 500 |
| MPPT Number | 2 |
| Max. PV Input Voltage | 500 |
| Max. PV Input Current (A) | 2 x 14 |
| Start Up DC Voltage (V) | 125 |
| Max. Efficiency | 97.6% |
| Communication Interface | CAN / RS485 / WiFi / LAN / DRM |
| Application method | On grid and Off grid |
| Battery | |
| Battery Type | LiFePO4 |
| Battery Voltage Range (V) | 44.8 ~ 57.6 |
| Nominal Voltage (V) | 51.2 |
| Max. Charge / Discharge Current (A) | 67 / 67 |
| Operating Temperature (°C) | -10 ~ 55 |
| Storage Temperature (°C) | -20 ~ 45 |
| Communication Interfaces | CAN / RS485 |
| Reverse Connect Protection | Yes |
| Cooling Strategy | Natural Convection |

Making Energy More
Secure, Efficient and Clean



Power: 5 kW

Energy Capacity: 9.21 kWh

Cycle Life: 6000 cycles



Backup Power



Easy Installation



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Technical Parameter

| | |
|-------------------------------------|--------------------------------|
| Nominal Energy (kWh) @25°C | 9.21 |
| AC Voltage (Nominal) (V) | 230 (176 ~ 270) |
| Power (W) | 5000 |
| Dimension [W*H*D] (mm) | 580*1280*350 |
| System Weight (kg) | ≤ 150 |
| Installation Location | Indoor |
| Ingress Protection | IP20 |
| Humidity | 5% ~ 95% |
| Life Span (Years) | 10 |
| Inverter | |
| Nominal AC Power (VA) | 5000 |
| Rated Grid Voltage (Range) (V) | 230 (176 ~ 270) |
| Rated Grid Frequency (Hz) | 50 / 60 |
| Max. AC Current (A) | 21.7 |
| Switch Time (ms) | < 10 |
| User Interface | LCD |
| Phase | Single - Phase |
| MPPT Voltage Range (V) | 125 ~ 500 |
| MPPT Number | 2 |
| Max. PV Input Voltage | 500 |
| Max. PV Input Current (A) | 2 x 14 |
| Start Up DC Voltage (V) | 125 |
| Max. Efficiency | 97.6% |
| Communication Interface | CAN / RS485 / WiFi / LAN / DRM |
| Application method | On grid and Off grid |
| Battery | |
| Battery Type | LiFePO4 |
| Battery Voltage Range (V) | 44.8 ~ 57.6 |
| Nominal Voltage (V) | 51.2 |
| Max. Charge / Discharge Current (A) | 110 / 110 |
| Operating Temperature (°C) | -10 ~ 55 |
| Storage Temperature (°C) | -20 ~ 45 |
| Communication Interfaces | CAN / RS485 |
| Reverse Connect Protection | Yes |
| Cooling Strategy | Natural Convection |

Making Energy More
Secure, Efficient and Clean



Power: 5 kW

Energy Capacity: 13.82 kWh

Cycle Life: 6000 cycles



Backup Power



Easy Installation



Expandable



Intelligent Control

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 <https://twitter.com/PowerLutionL>

Technical Parameter

| | |
|-------------------------------------|--------------------------------|
| Nominal Energy (kWh) @25°C | 13.82 |
| AC Voltage (Nominal) (V) | 230 (176 ~ 270) |
| Power (W) | 5000 |
| Dimension [W*H*D] (mm) | 580*1800*350 |
| System Weight (kg) | ≤ 220 |
| Installation Location | Indoor |
| Ingress Protection | IP20 |
| Humidity | 5% ~ 95% |
| Life Span (Years) | 10 |
| Inverter | |
| Nominal AC Power (VA) | 5000 |
| Rated Grid Voltage (Range) (V) | 230 (176 ~ 270) |
| Rated Grid Frequency (Hz) | 50 / 60 |
| Max. AC Current (A) | 21.7 |
| Switch Time (ms) | < 10 |
| User Interface | LCD |
| Phase | Single - Phase |
| MPPT Voltage Range (V) | 125 ~ 500 |
| MPPT Number | 2 |
| Max. PV Input Voltage | 500 |
| Max. PV Input Current (A) | 2 x 14 |
| Start Up DC Voltage (V) | 125 |
| Max. Efficiency | 97.6% |
| Communication Interface | CAN / RS485 / WiFi / LAN / DRM |
| Application method | On grid and Off grid |
| Battery | |
| Battery Type | LiFePO4 |
| Battery Voltage Range (V) | 44.8 ~ 57.6 |
| Nominal Voltage (V) | 51.2 |
| Max. Charge / Discharge Current (A) | 110 / 110 |
| Operating Temperature (°C) | -10 ~ 55 |
| Storage Temperature (°C) | -20 ~ 45 |
| Communication Interfaces | CAN / RS485 |
| Reverse Connect Protection | Yes |
| Cooling Strategy | Natural Convection |

Making Energy More
Secure, Efficient and Clean



Power: 5 kW

Energy Capacity: 18.43 kWh

Cycle Life: 6000 cycles



Backup Power



Easy Installation



Expandable



Intelligent Control

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Technical Parameter

| | |
|-------------------------------------|--------------------------------|
| Nominal Energy (kWh) @25°C | 18.43 |
| AC Voltage (Nominal) (V) | 230 (176 ~ 270) |
| Power (W) | 5000 |
| Dimension [W*H*D] (mm) | 580*1800*350 |
| System Weight (kg) | ≤ 265 |
| Installation Location | Indoor |
| Ingress Protection | IP20 |
| Humidity | 5% ~ 95% |
| Life Span (Years) | 10 |
| Inverter | |
| Nominal AC Power (VA) | 5000 |
| Rated Grid Voltage (Range) (V) | 230 (176 ~ 270) |
| Rated Grid Frequency (Hz) | 50 / 60 |
| Max. AC Current (A) | 21.7 |
| Switch Time (ms) | < 10 |
| User Interface | LCD |
| Phase | Single - Phase |
| MPPT Voltage Range (V) | 125 ~ 500 |
| MPPT Number | 2 |
| Max. PV Input Voltage | 500 |
| Max. PV Input Current (A) | 2 x 14 |
| Start Up DC Voltage (V) | 125 |
| Max. Efficiency | 97.6% |
| Communication Interface | CAN / RS485 / WiFi / LAN / DRM |
| Application method | On grid and Off grid |
| Battery | |
| Battery Type | LiFePO4 |
| Battery Voltage Range (V) | 44.8 ~ 57.6 |
| Nominal Voltage (V) | 51.2 |
| Max. Charge / Discharge Current (A) | 110 / 110 |
| Operating Temperature (°C) | -10 ~ 55 |
| Storage Temperature (°C) | -20 ~ 45 |
| Communication Interfaces | CAN / RS485 |
| Reverse Connect Protection | Yes |
| Cooling Strategy | Natural Convection |