

Wall-mounted Residential ESS



COMPATIBILITY
Suitable for most mainstream inverters



Wall-mounted or floor-standing



Safe LFP cells and smart BMS



Scalable up to 30kWh

Model

AF5000W-LP

Parameter

| | |
|---|---|
| Total Energy | 5.22kWh |
| Usable Energy | 4.96kWh |
| Nominal power | 3.07kW |
| Maximum charging / discharging power | 3.45kW |
| Maximum current charging / discharging | 60A |
| Nominal current charging / discharging | 60A |
| Technology | Lithium - iron - phosphate (LiFePO4 / LFP) |
| Number of charging cycles and EOL | 6000 times (25°C/ 0.5C , EOL70%) |
| Voltage | 44.8~57.6Vdc |
| Nominal Voltage | 51.2Vd.c. |
| Rated Capacity | 102Ah |
| Max.Charge Voltage | 57.6Vd.c. |
| Weight | 47kg |
| Dimension(mm)(H*L*W) | 680*480*180mm |
| Depth of discharge (DOD) (%) | 95 |
| Efficiency (%) | 95 |
| Operating Condition | Indoor or outdoor |
| Operating Temperature: Charging | 0~50°C |
| Operating Temperature: Discharging | -15~50°C |
| Operating Temperature: Charging with battery heating function | -20~50°C |
| Operating Temperature: Discharging with battery heating function | -20~50 °C |
| Storage Temperature Range | 1 month 0~35°C / ≤1 month -20~45°C |
| Humidity | 15% ~ 85%RH (No Condensation) |
| Over Voltage Category | II |
| Cooling Type | Natural cooling |
| Case Material | Metal |
| Installation | Wall-mounted or floor-standing |
| IP Rating | IP 66 |
| Protective Class | I |
| Max.Connection Number | 6P |
| Communication | CAN/ RS485 |
| Battery Protection | Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature |
| Certificates / standards | CE,IEC62619,IEC61000-6-1, IEC61000-6-3, IEC62040,IEC63056,UN38.3,MSDS, VDE-AR-E 2510-50, IEC60730 |
| Emergency backup power function | Yes |
| Product warranty | 10 years |
| Heating function | Optional |
| Control and monitoring of the energy storage system state of charge, voltage, and load. | Yes |
| Modular construction enabling the expansion of the energy storage | Yes |
| Remote software update and online problem diagnosis | Yes |

*Testing conditions based on temperature 25°C at the beginning of life. Total Energy/UsableEnergy are measured with a standard test method: 0.2C Charge and Discharge. As per the characteristics of lithium batteries, such parameters as the charge/ discharge current and efficiency listed above are subject to change.