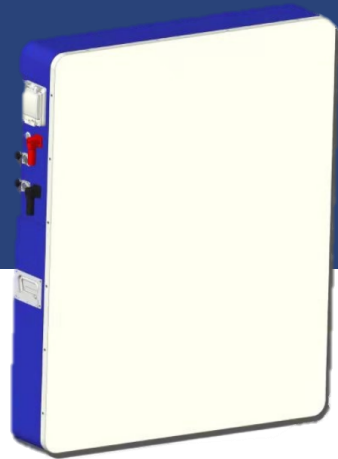




LIGOO ESS NA Battery System



■ PRODUCT PREVIEW

Ligoo ESS-NA is widely used in residential energy storage in North America. The system supports power grid, photovoltaic, diesel engine and other energy input/output; The capacity of 12.6 kWh can satisfy the needs of household daily power and emergency backup power; the advantage of 6000 cycles let the family peace of mind. You can install it in any available space in your home.

■ KEY FEATURES

- Long Cycle Life / Wide SOC Window
- Excellent Safety Performance - The Product has passed UL 9540A certification and our EMS system can realize cell level monitoring.
- Ultra-Thin design, Scientific and Technological sense.
- Active Thermal Management - The system can operate in sub-zero environment.
- Various Application Scenarios - The system support indoor and outdoor installation scenarios, with installation method as Wall-Mounted and Floor Standing.

SPECIFICATIONS

Performance Specifications

| | |
|----------------------------------|---|
| Battery Type | Lithium Iron Phosphate Battery |
| Nominal Energy ¹⁾ | 12.6kWh @77°F(25°C) |
| Nominal Voltage | 134.4 Vdc |
| Voltage Range | 117.6 ~ 153.3 V _{DC} |
| Nominal Charge/Discharge Current | 50A / 100A |
| Max. Charge Current | 100A |
| Max. Charge/Discharge Power | 6.5 kW |
| Communication Interface | RS485 / CAN2.0 |
| Warranty | 10 years or 6000 cycle system warranty (@90%DOD, 0.5C/0.5C, 25°C, Remaining 70%SOH) |
| Protection | Over Temperature, Over Current, Short Circuit, Over Charge, Over Discharge, etc. |

Mechanical Specifications

| | |
|--------------------|---|
| Dimensions (W*H*D) | 800mm(31.5in) × 985mm(38.78in) × 155mm(6.1in) |
| Weight | 126.5kg (278.9lbs) |

Environment Specifications

| | |
|---|--|
| Installation Location | Indoor / Outdoor Floor Standing, Wall-mounted |
| Operating Temperature | Charge 14 ~ 131°F (-10 ~ 55°C) |
| | Discharge -4 ~ 131°F (-20 ~ 55°C) |
| Storage Temperature (At shipping state) | -22 to 140°F (0 to 30°C), 5% ~ 50% SOC |
| Humidity | 5% ~ 95% |
| Altitude | Max. 9842.52ft (3,000m) |
| Cooling Strategy | Natural Convection |

Certification

| | | |
|----------------|----------------|--------------------|
| Safety | Cell | UL 1642 |
| | Battery System | UL 1973 / UL 9540A |
| Emissions | FCC | |
| Transportation | UN 38.3 | |
| Ingress Rating | IP 65 | |

*Test Conditions - Temperature 77°F (25°C), at the beginning of life;

*Product specification may change without notice.