
SolarEdge Energy Bank 10kWh Battery

HOME BACKUP



Optimized for SolarEdge Energy Hub Inverters⁽¹⁾

- Maximized system performance, gaining more energy to store and use for on-grid and backup power applications
- Integrates with the complete SolarEdge residential offering, providing a single point of contact for warranty, support, training, and simplified logistics & operations
- DC coupled battery featuring superior overall system efficiency, from PV to battery to grid
- Scalable solution for increased power and capacity with multiple SolarEdge inverters and batteries
- Solar, storage, EV charging, and smart devices all monitored and managed by a single app to optimize solar production, consumption and backup power
- Wireless communication to the inverter, reducing wiring, labor and risk of installation faults
- Simple plug and play installation, with automatic SetApp-based configuration using predefined profiles
- Includes multiple safety features for battery protection at all times

/ SolarEdge Energy Bank 10kWh Battery

BAT-10K1PS0B-01

BATTERY SPECIFICATION

| | | |
|---------------------------|--------------------------------|-------|
| Usable Energy | 9700 (100% depth of discharge) | Wh |
| Continuous Output Power | 5000 | W |
| Peak Output Power | 7500 (for 10 seconds) | W |
| Peak Roundtrip Efficiency | >94.5 | % |
| Warranty ⁽²⁾ | 10 | Years |
| Voltage Range | 350-450 | Vdc |
| Communication Interfaces | Wireless / RS485 | |
| Batteries per Inverter | Up to 3 ⁽³⁾ | |

STANDARD COMPLIANCE

| | | |
|-----------|--------------------------------|--|
| Safety | UL1642, UL1973, UL9540, UN38.3 | |
| Emissions | FCC Part 15 Class B | |

MECHANICAL SPECIFICATIONS

| | | |
|--|---|---------|
| Dimensions (W x H x D) | 31.1 x 46.4 x 9.84 / 790 x 1179 x 250 | in / mm |
| Weight | 267 / 121 | lb / kg |
| Mounting ⁽⁴⁾ | Wall mount and floor stand mount ⁽⁵⁾ | |
| Operating Temperature | +14 to +122 / -10 to +50 | °F / °C |
| Storage Temperature (more than 3 months) | +14 to +86 / -10 to +30 | °F / °C |
| Storage Temperature (less than 3 months) | -22 to +140 / -30 to +60 | °F / °C |
| Altitude | 6562 / 2000 | ft / m |
| Enclosure Protection | IP65 / NEMA 3R - indoor and outdoor (water and dust protection) | |
| Cooling | Natural convection | |
| Noise | <25 | dBA |

(1) Please refer to the SolarEdge Energy Bank battery compatible inverters app note.

(2) For warranty details please refer to the SolarEdge Energy Bank battery Limited Warranty.

(3) Installations with multiple SolarEdge Energy Bank batteries connected to a single inverter require a pair of branch connectors (DC + and DC -) per battery excluding the last battery. The branch connectors should be purchased separately.

(4) Installation and mounting requires handles that should be purchased separately. Please refer to the Accessories' PN table below.

(5) The floor stand is purchased separately. One floor stand is required per SolarEdge Energy Bank battery. Please refer to the Accessories' PN table below.

SolarEdge Energy Bank Battery – Accessories (purchased separately)

| Accessory | PN |
|---|--------------------|
| Floor stand | IAC-RBAT-FLRSTD-01 |
| Branch connectors set (includes a pair of DC + and DC - connectors). Required for installations with multiple SolarEdge Energy Bank batteries with a single inverter | IAC-RBAT-USYCBL-01 |
| Handles for wall mount installation | IAC-RBAT-HANDLE-01 |