

SolarEdge Home Battery High Voltage, for North America

BAT-10K1P



Optimized for SolarEdge Energy Hub Inverters⁽¹⁾

- DC coupled battery featuring superior overall system efficiency, generating more energy to store and use for on-grid and backup power applications
- Integrates seamlessly with the complete SolarEdge Home ecosystem using SolarEdge Home Network, offering a single source for warranty, support, and training, to streamline logistics & operations
- Enhanced safety with Rapid Shutdown, SafeDC™
- Qualified by the latest and most stringent UL fire safety standard
- Solar, storage, EV charging, and smart devices all monitored and managed by a single app to an optimized production, consumption, and backup* power
- Simple plug and play installation, with automatic SetApp-based configuration
- Flexible installation - wall or floor mount, all indoor or outdoor
- Wireless communication to the inverter, reducing wiring, labor, and installation

* Backup applications are subject to local regulation and may require additional components and firmware upgrade

SolarEdge Home Battery

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BAT-10K1P

BAT-10K1PS0B-02

BATTERY SPECIFICATION

| | | |
|---|-----------------------------------|-------|
| Usable Energy (100% depth of discharge) | 9700 | Wh |
| Continuous Output Power | 5000 | W |
| Peak Output Power (for 10 seconds) | 7500 | W |
| Peak Roundtrip Efficiency | >94.5 | % |
| Warranty ⁽¹⁾ | 10 | Years |
| Voltage Range | 350-450 | Vdc |
| Communication Interfaces | Wireless and RS485 ⁽²⁾ | |
| Batteries per Inverter | Up to 3 ⁽³⁾ | |

STANDARD COMPLIANCE

| | | | |
|---------------|---------|---------------------------------|--|
| Certification | Cell | UL1642 | |
| | Battery | UL1973, UL9540A, 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 | 262 / 119 | lb / kg |
| Mounting | Floor ⁽⁴⁾ or wall mount ⁽⁵⁾ | |
| Operating Temperature ⁽⁶⁾ | +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 | IP55 / NEMA 3R - indoor and outdoor (water and dust protection) | |
| Cooling | Natural convection | |
| Noise (at 1m distance) | <25 | dBA |

(1) For warranty details, see the SolarEdge Home Battery Limited Warranty.

(2) The SolarEdge Home Battery is designed for use with SolarEdge Home Network for wireless communication. The inverter might require a matching SolarEdge Home Network Plug-in (more details below). Using RS485 could reduce the usable energy to 9500Wh.

(3) Installations with multiple SolarEdge Home Battery connected to a single inverter require a pair of branch connectors (DC + and DC -) per battery excluding the last battery. Support for 3 batteries is pending supporting inverter firmware. The branch connectors should be purchased separately.

(4) The floor stand is purchased separately. One floor stand is required per SolarEdge Home Battery. See the Accessories' PN table below.

(5) Wall mount installation requires handles that should be purchased separately. See the Accessories' PN table below.

(6) Note that operating the SolarEdge Home Batteries at extreme temperatures for extended durations of time may void the SolarEdge Home Battery warranty coverage. Please see the SolarEdge Home Battery Limited Product Warranty for additional details.

SolarEdge Home 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 Home batteries with a single inverter | IAC-RBAT-USYCBL-01 |
| Handles | IAC-RBAT-HANDLE-01 |
| SolarEdge Home Network Plug-in | ENET-HBNP-01 |
| Battery inverter extension cable 2m long (MC4 to terminal block) | IAC-RBAT-10M420-01 |