

# SolarEdge Home Battery 400V

## USA Domestic Content Eligible\*

### For North America

BAT-10K1P



## SolarEdge's USA-manufactured offering optimized for SolarEdge Home Hub Inverters

- Eligible for domestic content: SolarEdge USA-manufactured batteries\* are intended to be eligible for the enhanced federal income tax credit for domestic content
- DC coupled battery featuring outstanding 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 and operations
- Solar, storage, EV charging, and smart devices all monitored and managed by a single app to an optimized production, consumption, and backup\* power
- Includes multiple safety features:
  - Continuous protection through measurement and monitoring, using a mix of software and hardware measures
  - Rapid Shutdown and SafeDC™
  - Qualified by UL9540A, the latest and most stringent UL fire safety standard
  - Featuring ThermoShield™ technology: a cell-level protection mechanism
- Simple plug and play installation, with automatic SetApp-based configuration
- Flexible installation – wall or floor mount, indoor or outdoor
- Wireless communication to the inverter, reducing wiring, labor, and installation

\* For more information on domestic content eligibility, see the [SolarEdge Domestic Content](#) application note.

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

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UBAT-10K1PS0B-03

#### BATTERY SPECIFICATION

Usable Energy (100% depth of discharge)	9700	Wh
Continuous Output Power <sup>(1)</sup>	5000	W
Peak Output Power (for 10 seconds)	7500	W
Peak Roundtrip Efficiency	94.5	%
Warranty <sup>(2)</sup>	10	Years
Voltage Range	350 – 450	Vdc
Max Continuous Output Current	14.3	A
Max Short Circuit Current / Duration	1k/10	Adc/msec

#### ADDITIONAL FEATURES

Compatible Inverters <sup>(3)</sup>	SolarEdge Home Hub Inverters	
Batteries per Inverter <sup>(4)</sup>	Up to 3	
Communication Interfaces	Wireless <sup>(5)</sup> and RS485	

#### STANDARD COMPLIANCE

Certification	Cell	UL 1642	
	Battery	UL 1973, UL 9540A, UL 9540, UN 38.3	
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 <sup>(6)</sup> or wall mount <sup>(7)</sup>	
Ambient Operating Temperature Range <sup>(8)</sup>	-4 to +122 / -20 to +50	°F / °C
Storage Temperature (limited period) <sup>(9)</sup>	-22 to +140 / -30 to +60	°F / °C
Storage Temperature (Up to 12 months since shipment date)	+14 to +86 / -10 to +30	°F / °C
Enclosure Protection	IP55 / NEMA 3R - indoor and outdoor <sup>(10)</sup> (water and dust protection)	
Maximum Altitude	6562 / 2000	ft / m
Cooling	Natural convection	
Noise (at 1m distance)	<25	dBA

- Charge/discharge power may differ according to temperature range.
- For warranty details, see the [SolarEdge Home Battery](#) limited product warranty.
- For compatible inverter information, see the [SolarEdge Home Hub Inverter for North America](#) datasheet and the [SolarEdge Home Hub Inverter for North America Assembled in North America](#) datasheet.
- Installations with multiple SolarEdge Home Batteries connected to a single inverter require a pair of SolarEdge branch connectors (DC + and DC -) per battery, excluding the last battery. The branch connectors should be purchased separately. For more details, see the [Connecting the Home Hub Inverter to Multiple Home Batteries](#) technical note.
- For additional details, see the [SolarEdge Home Network Plug-In](#) datasheet.
- The floor stand is purchased separately. One floor stand is required per SolarEdge Home Battery. See the [SolarEdge Home Battery \(High Voltage\) Floor Mount Stand](#) assembly guide and the Accessories P/N table below.
- Wall mount installation requires handles that should be purchased separately. See the Accessories P/N table below.
- The SolarEdge Home Battery 400V is to be installed in a location where the ambient temperature falls between -4°F to +122°F. The maximum allowed duration below 32°F is limited to 30% of the days within any rolling 12-month period.
- For details, see the [SolarEdge Home Battery 400V Transportation and Storage Guidelines](#) application note.
- Installation in direct sunlight is allowed only when the ambient temperature is within the Ambient Operating Temperature Range.

#### SolarEdge Home Battery – Accessories (purchased separately)

ACCESSORY	P/N
Floor stand	IAC-RBAT-FLRSTD-01
Branch connector set (includes 10 pairs of DC + and DC - connectors) Required for installations with multiple SolarEdge Home Battery batteries with a single inverter	IAC-RBAT-USYCBL-01
Handles	IAC-RBAT-HANDLE-01

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## SolarEdge Home Battery Dimensions and Placement

