

SolarEdge Home Battery 400V For North America

BAT-10K1P



BATTERIES

Optimized for SolarEdge Home Hub Inverters

- 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 & operations
- Includes multiple safety features for battery protection, including Rapid Shutdown and 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, 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.

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BAT-10K1PS0B-02

BATTERY SPECIFICATION

Usable Energy (100% depth of discharge)	9700	Wh
Continuous Output Power ⁽¹⁾	5000	W
Peak Output Power (for 10 seconds)	7500	W
Peak Roundtrip Efficiency	94.5	%
Warranty ⁽²⁾	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 ⁽³⁾	SolarEdge Home Hub Inverters	
Batteries per Inverter ⁽⁴⁾	Up to 3	
Communication Interfaces	Wireless ⁽⁵⁾ 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 ⁽⁶⁾ or wall mount ⁽⁷⁾	
Ambient Operating Temperature Range ⁽⁸⁾	+14 to +122 / -10 to +50	°F / °C
Storage Temperature (limited period) ⁽⁹⁾	-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 (water and dust protection)	
Maximum Altitude	6562 / 2000	ft / m
Cooling	Natural convection	
Noise (at 1m distance)	<25	dBA

(1) Charge/discharge power may differ according to temperature range.

(2) For warranty details, see the [SolarEdge Home Battery](#) limited product warranty.

(3) 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.

(4) 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.

(5) For additional details, see the [SolarEdge Home Network Plug-In](#) datasheet.

(6) 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.

(7) Wall mount installation requires handles that should be purchased separately. See the Accessories P/N table below.

(8) The SolarEdge Home Battery 400V must be installed in a location where the ambient temperature falls between +32°F to +104°F for no less than 95% of the warranty period and between +14°F to +122°F for the rest of the period. For details, see the [SolarEdge Home Battery](#) limited product warranty.

(9) For details, see the [SolarEdge Home Battery 400V Transportation and Storage Guidelines](#) application note.

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

