SolarEdge Home Battery

For North America

BAT-10K1P

10 YEAR WARRANTY

Optimized for SolarEdge Home 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

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	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	
Certification — 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 Product 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. 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 P/N table below.
(5) Wall mount installation requires handles that should be purchased separately. See the Accessories P/N 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	**P/N**
Floor stand	IAC-RBAT-FLRSTD-01
Branch connectors set (includes a pair of DC + and DC - connectors) Required for installations with multiple SolarEdge Home Batteries with a single inverter	IAC-RBAT-USYCBL-01
Handles	IAC-RBAT-HANDLE-01
SolarEdge Home Network Plug-in	ENET-HBNP-01

CE RoHS