SolarEdge Home Battery 400V

For Europe

BAT-10K1P

BATTERY



DC-Coupled Battery Optimized to Work with SolarEdge Home 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
- Scalable solution for increased power and capacity with multiple SolarEdge inverters and batteries
- Includes multiple safety features for battery protection
- 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 faults

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

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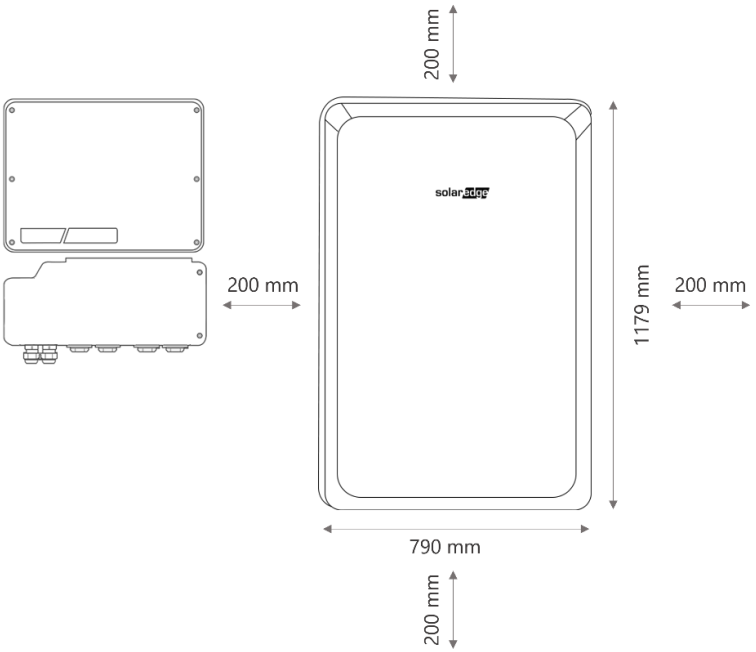
BAT-10K1P

		BAT-10K1PS0B-x2	Units
OUTPUT			
Usable Energy (100% depth of discharge)		9700	Wh
Continuous Output Power(1)		5000	W
Peak Output Power in Backup (for 10 seconds)		7500	W
Peak Roundtrip Efficiency		94.5	%
Warranty(2)		10	Years
Voltage Range		350 – 450	Vdc
Maximum Continues Output Current		14.3	A
Maximum Short Circuit Current / Duration		1k / 10	Adc / msec
ADDITIONAL FEATURES			
Compatible Inverters		SolarEdge Home Hub/Wave Inverter – Single Phase, StorEdge Single Phase Inverter with HD-Wave Technology, SolarEdge Home Short String Inverter(3)	
Batteries Per Inverter(4)	SolarEdge Home Hub/Wave Inverter – Single Phase	Up to 3	
	StorEdge Single Phase Inverter with HD-Wave Technology	Up to 3	
	SolarEdge Home Short String Inverter	1	
Communication Interfaces	SolarEdge Home Hub/Wave Inverter – Single Phase	SolarEdge Home Network(5), RS485	
	StorEdge Single Phase Inverter with HD-Wave Technology	SolarEdge Home Network(5), RS485	
	SolarEdge Home Short String Inverter	SolarEdge Home Network(5)	
STANDARD COMPLIANCE			
Certification	Cell	IEC62619	
	Battery	IEC 61010-1, IEC 62619, UN38.3, UL9540, UL9540A	
Emissions		IEC 61000-6-1, IEC 61000-6-3	
INSTALLATION SPECIFICATIONS			
Dimensions (W x H x D)		790 x 1179 x 250	mm
Weight		119	kg
Mounting		Floor(6) or wall mount(7)	
Ambient Operating Temperature Range(8)		-10 to +50	°C
Storage Temperature (limited period)(9)		-30 to +60	°C
Storage Temperature (up to 12 months from shipment date)		-10 to +30	°C
Enclosure Protection		IP55 – indoor and outdoor (water and dust protection)	
Maximum Altitude		2000	m
Cooling		Natural convection	
Noise at 1m Distance		< 25	dBA

(1) Charge/discharge power may differ according to the temperature range.
(2) For warranty details, see the SolarEdge Home Battery Limited Product Warranty.
(3) For compatible inverter details, see the SolarEdge Home Hub Inverter, SolarEdge Home Wave Inverter 2.2kW-6kW, SolarEdge Home Wave Inverter 8kW, 10kW, and StorEdge® Single Phase Inverter datasheets. The SolarEdge Home Short String Inverter is only compatible in the Netherlands and Poland.
(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 details, see the Connecting the Home Hub Inverter to Multiple Home Batteries technical note.
(5) For details, see the SolarEdge Home Network Plug-In datasheet and SolarEdge Home Network Plug-in Kit Selection technical note.
(6) The floor stand is purchased separately. One floor stand is required per SolarEdge Home Battery. See the Floor Stand Installation 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 is to be installed in a location where the ambient temperature falls between 0°C to +40°C for no less than 95% of the warranty period and between -10°C to +50°C for the rest of the period. For details, see the SolarEdge Home Battery Limited Product Warranty.
(9) For details, see the Transportation and Storage Guidelines - Application Note.

SolarEdge Home Battery – Accessories (purchased separately)	
Accessory	**P/N**
Floor stand	IAC-RBAT-FLRSTD-01
Reusable lifting handles	IAC-RBAT-HANDLE-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. For details, see the Connecting the Home Hub Inverter to Multiple Home Batteries technical note.	IAC-RBAT-RWYCBL-01

SolarEdge Home Battery Dimensions and Placement



SolarEdge is a global leader in smart energy technology. By leveraging world-class engineering capabilities and with a relentless focus on innovation, SolarEdge creates smart energy solutions that power our lives and drive future progress.

SolarEdge developed an intelligent inverter solution that changed the way power is harvested and managed in photovoltaic (PV) systems. The SolarEdge DC optimized inverter maximizes power generation while lowering the cost of energy produced by the PV system.

Continuing to advance smart energy, SolarEdge addresses a broad range of energy market segments through its PV, storage, EV charging, UPS, and grid services solutions.



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