

SolarEdge Home Battery 400V For Europe

BAT-10K1P

BATTERIES



Optimized for SolarEdge Home Wave and StorEdge inverter technology

- 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.

/ SolarEdge Home Battery 400V

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BAT-10K1PS0B-x2

OUTPUT

Usable energy (100% depth of discharge)	9700	Wh
Continuous Output Power	5000	W
Peak Output Power in Backup (for 10 seconds)	7500	W
Peak Roundtrip Efficiency	> 94.5	%
Warranty ⁽¹⁾	10	Years
Voltage Range	350 – 450	Vdc

ADDITIONAL FEATURES

Compatible Inverters	SolarEdge Home Wave Inverter, StorEdge Single Phase Inverter with HD-Wave Technology	
Batteries Per Inverter	Up to 3 ⁽²⁾	
Communication Interfaces	Wireless and RS485 ⁽³⁾	

STANDARD COMPLIANCE

Certification	Cell	IEC62619	
	Battery	IEC61010-1, IEC62619, UN38.3	
Emissions		IEC61000-6-1, IEC61000-6-3	

INSTALLATION SPECIFICATIONS

Dimensions (W x H x D)	790 x 1179 x 250	mm
Weight	119	kg
Mounting	Floor ⁽⁴⁾ or wall mount ⁽⁵⁾	
Operating Temperature ⁽⁶⁾	-10 to +50	°C
Storage Temperature (more than 3 months)	-10 to +30	°C
Storage Temperature (less than 3 months)	-30 to +60	°C
Enclosure Protection	IP55 – indoor and outdoor	
Maximum Altitude	2000	m
Cooling	Natural convection	
Noise at 1m Distance	< 25	dBA

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

(2) Installations with multiple SolarEdge Home Batteries require a pair of branch connectors (purchased separately) per battery excluding the last battery.

(3) 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. Using RS485 could reduce the usable energy to 9500Wh.

(4) The floor stand is purchased separately. One floor stand is required per SolarEdge Home Battery. See the Accessory P/N table below.

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

(6) Please note that operating the SolarEdge Home Battery at extreme temperatures for extended durations of time may void the SolarEdge Home Battery's warranty coverage. See the [SolarEdge Home Battery Limited Warranty](#).

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	IAC-RBAT-RWYCBL-01
SolarEdge Home Network Plug-in	SolarEdge Home Network plug-in datasheet