

SolarEdge Energy Bank

10kWh Battery

For Europe

BATTERIES



Optimized for SolarEdge HD-Wave and StorEdge Inverter technology

- Maximized system performance, gaining more energy to store and use for on-grid and backup power applications*
- Integrates with the complete SolarEdge residential offering, providing a single point of contact for warranty, support, training, and simplified logistics & operations
- DC coupled battery featuring superior overall system efficiency
- Scalable solution for increased power and capacity with multiple SolarEdge inverters and batteries
- Solar, storage, EV charging, and smart devices all monitored and managed by a single app to optimize solar production, consumption and backup* power
- Wireless communication to the inverter, reducing wiring, labor and installation faults
- Simple plug and play installation, with automatic SetApp-based configuration
- Includes multiple safety features for battery protection

* Backup application requires inverter with backup capability

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BAT-10K1PSOB-01

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 Single Phase HD-Wave Inverter ⁽²⁾ , StorEdge Single Phase Inverter with HD-Wave Technology	
Battery per Inverter	Up to 3 ⁽³⁾	
Communication Interfaces	Wireless and RS485 ⁽⁴⁾	
STANDARD COMPLIANCE		
Certification	Cell	IEC 62619
	Battery	IEC 62619, UN38.3
Emissions	IEC61000-6-1, IEC61000-6-2, IEC61000-6-3	
INSTALLATION SPECIFICATIONS		
Dimensions (W x H x D)	790 x 1179 x 250	mm
Weight	121	kg
Mounting	Floor ⁽⁵⁾ or wall mount ⁽⁶⁾	
Operating Temperature ⁽⁷⁾	-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 Energy Bank Limited Warranty.

(2) Requires supporting inverter firmware.

(3) Requires supporting inverter firmware. Installations with multiple SolarEdge Energy Bank batteries require a pair of branch connectors (purchased separately) per battery excluding the last battery.

(4) The SolarEdge Energy Bank 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.

(5) The floor stand is purchased separately. One floor stand is required per SolarEdge Energy Bank battery. See the Accessories' PN table below.

(6) Wall mount installation requires handles that should be purchased separately. See the Accessories' PN table below.

(7) Note that operating the SolarEdge Energy Bank battery at extreme temperatures for extended durations of time may void the SolarEdge Energy Bank warranty coverage. See the SolarEdge Energy Bank Limited Product Warranty for additional details.

SolarEdge Energy Bank – Accessories (purchased separately)

Accessory	PN
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 Energy Bank batteries with a single inverter	IAC-RBAT-RWYCYBL-01
SolarEdge Home Network Plug-in	See the SolarEdge Home Network Plug-In datasheet .