

SolarEdge Home Battery

For Australia

BAT-10K1P

BATTERIES



Optimised for SolarEdge Single and Three Phase Residential 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
- ✓ 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 optimised 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, labour, and installation

* Backup application requires SolarEdge Home Hub inverter and SolarEdge Home Backup Interface

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BAT-10K1PS0B-x2		
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
Output Voltage (Min – Nom – Max)	350 – 400 – 450	Vdc
Maximum Continues Output Current	14.3	A
Maximum Short Circuit Current / Duration	1k / 10	Adc / msec
ADDITIONAL FEATURES		
Compatible Inverters ⁽³⁾	SolarEdge Home Genesis Inverter SolarEdge Home Hub Inverter Residential Three Phase Solar Inverter for Australia (SExK-AUB)	
Batteries Per Inverter ⁽⁴⁾	Up to 3 ⁽⁵⁾	
Communication Interfaces	SolarEdge Home Network ⁽⁶⁾ , RS485	
STANDARD COMPLIANCE		
Certification	Cell	IEC 62619; UL 1642
	Battery	IEC 61010-1; IEC 62619; UN 38.3; UL 1973; UL 9540; UL 9540A
Emissions	IEC 61000-6-1; IEC61000-6-3	
INSTALLATION SPECIFICATIONS		
Dimensions (W x H x D)	790 x 1179 x 250	mm
Weight	119	kg
Mounting	Floor ⁽⁷⁾ or wall mount ⁽⁸⁾	
Ambient Operating Temperature Range (charging) ⁽⁹⁾	-10 to +50	°C
Storage Temperature (limited period) ⁽¹⁰⁾	-30 to +60	°C
Storage Temperature (up to 12 months from shipment date) ⁽¹⁰⁾	-10 to +30	°C
Enclosure Protection	IP55 / NEMA 3R – indoor and outdoor (water and dust protection)	
Maximum Altitude	2000	m
Cooling	Natural convection	
Noise at 1m Distance	< 25	dBA
Manufacturing Country	Hungary	

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

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

(3) Compatible inverters – SolarEdge Home Genesis Inverter, SolarEdge Home Hub Inverter, Residential Three Phase Solar Inverter.

(4) For additional details on connecting multiple SolarEdge Home Batteries to a single inverter, see the [SolarEdge Solution Connection and Configuration Guide for Australia](#).

(5) For Residential Three Phase Solar Inverter for Australia (SExK-AUB), only a single battery and a single inverter are allowed per site. The connection between the battery and the inverter is allowed only through SolarEdge Home Network.

(6) 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](#).

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

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

(9) 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](#).

(10) 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 (includes 10 pairs of DC + and DC - connectors) Required for installation with two SolarEdge Home Batteries, if a combiner is not used)	IAC-RBAT-RWYCBL-01