

# SolarEdge Home Battery

## For Australia

BAT-10K1P



BATTERIES

### Optimised for SolarEdge Single and Three Phase Residential Inverters

- Maximised 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 optimise solar production, consumption, and backup\* power
- Wireless communication to the inverter, reducing wiring, labour, and installation faults
- Simple plug and play installation, with automatic SetApp-based configuration
- Includes multiple safety features for battery protection

\* Backup applications are subject to local regulation and may require additional components and firmware upgrade

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### BAT-10K1PS0B-01

BAT-10K1PS0B-01		
OUTPUT		
Usable energy (100% depth of discharge)	9700	Wh
Continuous Output Power <sup>(1)</sup>	5000	W
Peak Output Power in Backup (for 10 seconds)	7500	W
Peak Roundtrip Efficiency	94.5	%
Warranty <sup>(2)</sup>	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 <sup>(3)</sup>	SolarEdge Home Genesis Inverter SolarEdge Home Hub Inverter Residential Three Phase Solar Inverter for Australia (SEK-AUB)	
Batteries Per Inverter <sup>(4)</sup>	Up to 3 <sup>(5)</sup>	
Communication Interfaces	SolarEdge Home Network <sup>(6)</sup> , RS485	
STANDARD COMPLIANCE		
Certification	Cell	IEC62619, UL1642
	Battery	IEC61010-1, IEC62619, UN38.3, UL1973, UL9540, UL9540A
Emissions	IEC61000-6-1, IEC61000-6-3	
INSTALLATION SPECIFICATIONS		
Dimensions (W x H x D)	790 x 1179 x 250	mm
Weight	121	kg
Mounting	Floor <sup>(7)</sup> or wall mount <sup>(8)</sup>	
Ambient Operating Temperature Range (charging) <sup>(9)</sup>	-10 to +50	°C
Storage Temperature (limited period) <sup>(10)</sup>	-30 to +60	°C
Storage Temperature (up to 12 months from shipment date) <sup>(10)</sup>	-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

- (1) Charge/discharge power may differ according to temperature range.
- (2) For warranty details, see the [SolarEdge Home Battery Limited Product 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 (SEK-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 [Floor Stand Installation Guide](#) and the Accessories P/N table below.
- (8) Wall mount installation requires handles that should be purchased separately. See the Accessories 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
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-RWYCB-01