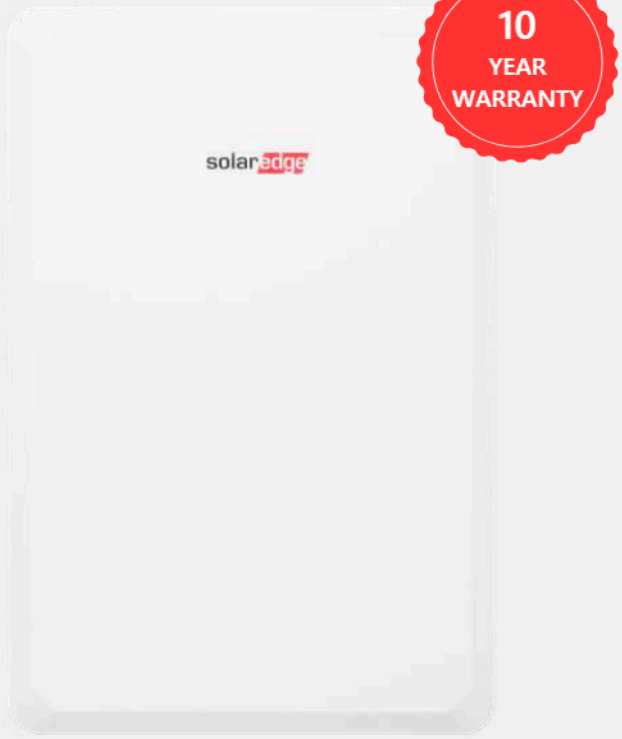
SolarEdge Home Battery

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(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(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	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(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

(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 (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 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-RWYCBL-01

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