

**GET SMART
GET SOLAHART**



SOLAREEDGE ENERGY BANK

TECHNICAL DATA

Model		BAT-10K1PSOB-01 ⁽¹⁾	
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	%	
Voltage Range	350 - 450	Vdc	
Additional Features			
Compatible Inverters	SolarEdge Genesis Single Phase Inverter, SolarEdge Energy Hub Single Phase Inverter		
Batteries Per Inverter	Up to 3 ⁽²⁾		
Communication Interfaces	Wireless*		
Standard Compliance			
Certification	Cell	IEC 62619, UL1642	
	Battery	IEC 62619, UN38.3, UL1973, UL9540	
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 ⁽³⁾ or wall mount		
Operating Temperature ⁽⁴⁾	-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	
Solahart Warranty			
Solahart Warranty ⁽⁵⁾	10 Years (Product Warranty) / 10 Years (Performance Warranty)		

Specifications and designs included in this data sheet are subject to change without notice.

*The SolarEdge Energy Bank is designed for use with SolarEdge Energy Net for wireless communication. The inverter might require a matching SolarEdge Energy Net Plug-in. †Products are optional extras. ‡Design limitations apply. Please refer to your local Solahart Dealer.

⁽¹⁾These specifications apply to part number BAT-10K1PSOB-01 ⁽²⁾Installations with multiple SolarEdge Energy Bank batteries require a pair of branch connectors (DC + and DC -) per battery excluding the last battery. The branch connectors should be purchased separately. ⁽³⁾The floor stand is purchased separately. One floor stand is required per SolarEdge Energy Bank battery. ⁽⁴⁾Please note that operating the SolarEdge Energy Bank at extreme temperatures for extended durations of time may void the Energy Bank's warranty coverage. Please see the Energy Bank Limited Product Warranty for additional details. ⁽⁵⁾For full details see Solahart Owner's Guide. Conditions Apply.

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ENERGY BANK SMART BATTERY TECHNOLOGY

The SolarEdge Energy Bank battery has been designed with performance, safety and maximum energy efficiency in mind.

This world-class lithium-ion battery can recharge using electricity generated from your solar panels or the grid when utility rates are low. It then sends power to your home in the evening, when the sun is not shining, or when utility rates are higher. The battery also serves as a backup in the event of a blackout.

When the SolarEdge inverter and Energy Bank battery are used together, the inverter's capacity can be increased by up to 300%. This means you can add more panels to your PV system than a standard installation, which allows you to produce more energy at a very cost-effective price.

Up to 3 batteries can operate in parallel per inverter. As more products, like electric vehicles, become linked to home energy generation and storage devices, this extra capacity is an excellent way to future-proof your home.



SolarEdge
Energy Bank

Extra Capacity

Cost-effectively oversize your system by up to 300% over a standard PV installation. Store more solar energy for self-consumption, reduce your costs and future-proof your energy needs.

Modular Design

Scalable battery module design allows you to choose the most appropriate system for your household and then expand your storage capacity as your needs change.

Solahart Energy Management

Solar, storage, EV charging, and smart devices all monitored and managed by Solahart's Energy Management Unit App to optimise solar production, consumption and backup power.

Solahart Warranty

Enjoy a 10-year product warranty and a 10-year performance warranty for extra peace of mind.

SOLAHART SOLAR STORAGE PACKAGES

Australian households and businesses are increasingly embracing solar technology, with more than 3 million homes fitted with rooftop solar panels. However, many homeowners are not harnessing the full potential of their solar power systems.

A large proportion of energy is generated when it's not needed in the middle of the day. In this case, the excess energy is sent back to the grid for minimal financial return.

Connecting a home battery and a Solahart PowerStore® solar-smart electric water heater to your solar power system allows you to store your unused energy so you can use it when you need it (at night, on low-sunlight days, when utility rates are more expensive, or during blackouts).

Adding a Solahart Energy Management Unit helps you more actively manage how you consume energy throughout your home.

PACKAGE ONE:

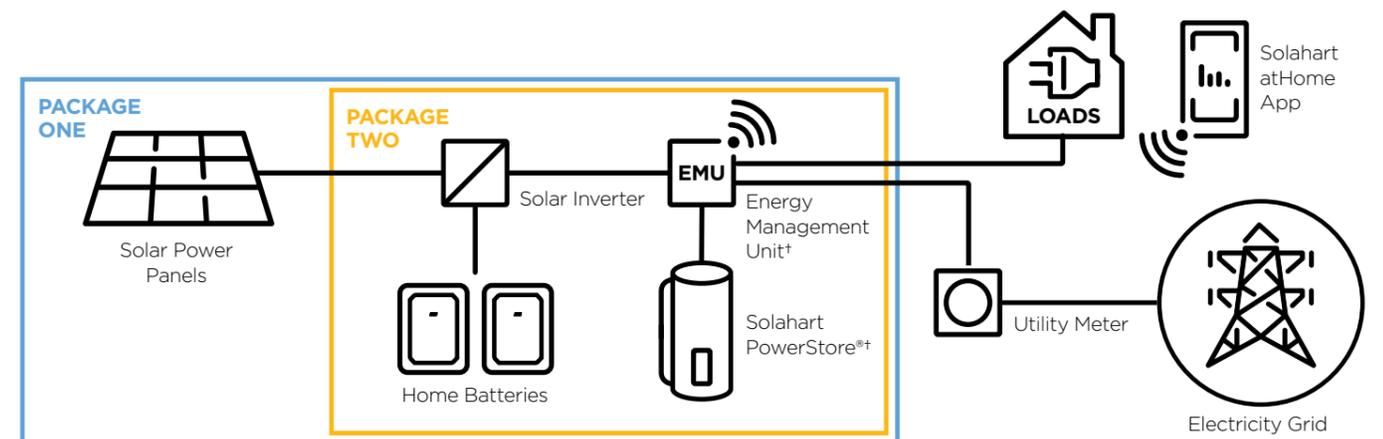
Solahart Total Solar Energy Package

Solahart can offer you a total integrated energy solution including world-leading solar panels and inverters, alongside a wide range of home energy storage and energy management products. This total-home approach maximises your ability to generate, store and use renewable energy in your home.

PACKAGE TWO:

Solahart Retro-Fit Solar Energy Package

If you already have solar panels installed with a SolarEdge inverter, Solahart can retro-fit your system to add the Energy Bank battery, a Solahart PowerStore® and an Energy Management Unit. Additional PV panels can also be added to future-proof your system.



**A TOTAL
ENERGY
SOLUTION
FOR YOUR
HOME**

Home Batteries

Home batteries allow you to maximise the use of your solar power and minimise your energy bills by storing excess electricity produced during the day for use:

- at night
- on low sunlight days
- when utility rates are more expensive
- during blackouts.



Solahart PowerStore®

Solahart PowerStore® is Australia's first solar-smart electric water heater. It captures the excess energy from your rooftop solar panels and uses it to heat your water gradually, for use at a later time.

PowerStore® is specially designed to intelligently interact with your solar system and heat water in the most efficient way possible. It's another smart and affordable form of energy storage.



Solahart Energy Management Unit®

The Solahart Energy Management Unit (EMU) is an intelligent hub that monitors your energy usage and solar energy production. Working together with the Solahart atHome App, it shows the household appliances and habits that use most electricity and when you are generating the most solar energy.

Using this data, it helps you shift loads away from expensive periods and maximise the use of your solar energy to further reduce your energy costs.

