Introducing the SolarEdge Energy Bank

Information for Distributors

New Home Battery from the World's #1 Solar Provider

December 2021

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SolarEdge Ecosystem
Simple, Flexible & Future-Proof

Smart Modules

SolarEdge Energy Bank

SolarEdge Inverter

EV Charging

Energy Meter

Smart Energy Devices

mySolarEdge

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SolarEdge Energy Bank

The first SolarEdge battery

1 **More energy & efficiency**

- 9.7kWh/5kW Li-ion NMC

- DC coupled battery for utilizing excess solar power

- Up to 3 Batteries stacking per inverter to Increased power & capacity

- Exceptional system efficiency (PV→Battery→Grid)

2 **Single vendor for ultimate peace of mind**

- Straightforward support & warranty

- Seamless integration between monitoring, designer, home automation and grid services

3 **Simple installation with battery plug and play**

- No additional components or interfaces required

- Wireless communication to the inverter using Energy Net – no communication wiring, reducing installation time and risk for errors

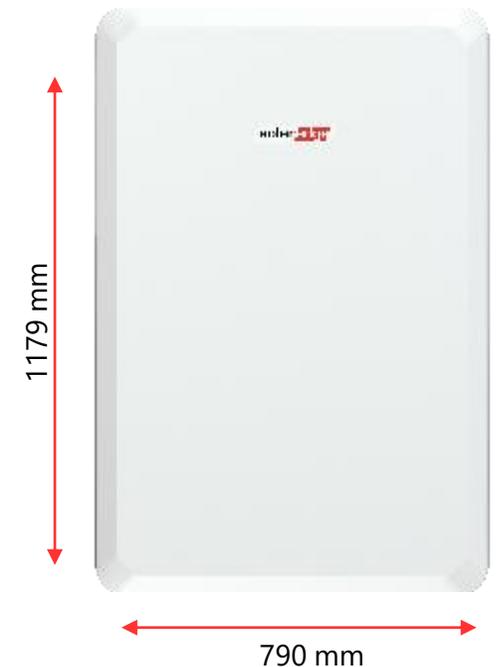- Automatic configuration by using predefined profiles with a streamlined wizard
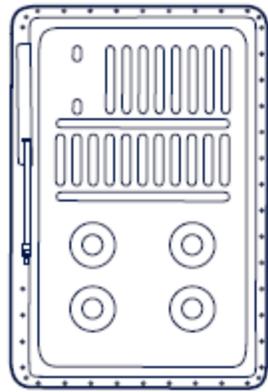
4 **Carefree**

- 10-year capacity guarantee

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SolarEdge Energy Bank Specifications

OUTPUT

Total Energy	10300	Wh
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	StorEdge Single Phase Inverter with HD-Wave Technology, Single Phase Inverter with HD-Wave Technology[2]	
Battery per Inverter	Up to 3[3]	
Communication Interfaces	Wireless*	

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[4] or wall mount[5]	
Operating Temperature	-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

*   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 (more details below). Using RS485 could reduce the usable energy to 9500Wh.

1179 mm

790 mm

4

* As of December 2021, might be subject to changes.

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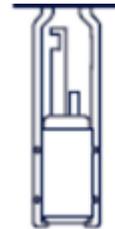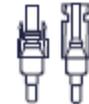# What's in the Package?

SolarEdge
Energy Bank

Decorative
cover

x 2
Mounting bracket
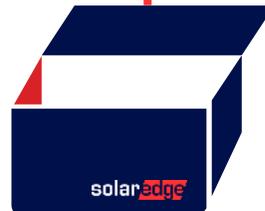screws

Mounting
bracket

Fire
extinguisher

MC4
connectors

x 2
Cover
screws

Conduit
holder

Installation
Guide

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Energy Bank – accessories (ordered separately)

Floor Stand Kit

▰ For floor mount installations, with each battery secured in a separate battery stand

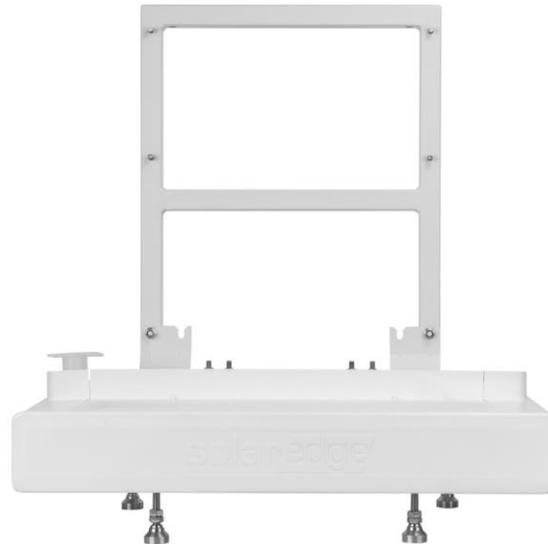▰ IAC-RBAT-FLRSTD-01 (one Floor Stand Kit included per order)

Reusable Lifting Handles

▰ Required for lifting the battery

▰ IAC-RBAT-HANDLE-01 (four handles included per order)

Link to: Accessories homepage

MC4 Parallel Branch Connectors

▰ to daisy chain multiple batteries to the same inverter

▰ IAC-RBAT-RWYCBL-01 (10 pairs of +/- cables included per order)

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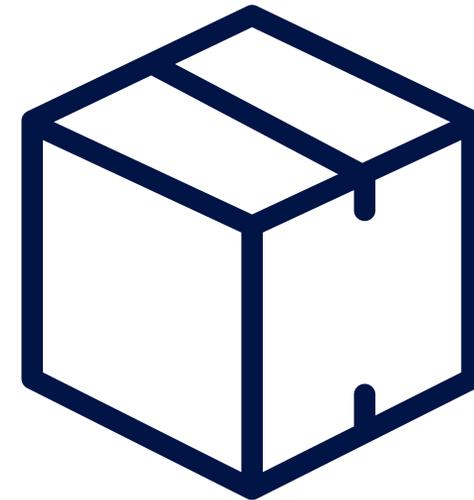
Energy Bank – communication on site

▮ For communication between battery and inverter, SolarEdge strongly recommends using SolarEdge Energy Net

▮ How to identify the required Energy Net kit:

Inverter	How to identify?	Cellular Modem used? (GSM/LTE)	How to get Energy Net?
HD-Wave SetApp inverter (not ready for Energy Net)	SExxxxH-RW**0**xxB**N**xx	No	Install Energy Net Plug-in **ENET-HBCL-01**
		Yes	Replace Portia with **ENET-HBPV3-01**** (Kit of Energy Net-ready Portia and matching Energy Net Plugin)
StorEdge 1ph inverter (not ready for Energy Net)	SExxxxH-RW**S**xxB**N**xx	No	Install Energy Net Plug-in **ENET-HBCL-01**
		Yes	Replace Portia with **ENET-HBPV3S-01**** (Kit of Energy Net-ready Portia and matching Energy Net Plugin)

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** available soon

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Transportation and Packaging of the Battery

- Stacking of packaged batteries up to 4 batteries per stack

- Each battery package comes with its own cardboard pallet for easy handling in warehouse

- Long term storage (3-12 months) temperature: -10°C to +30°C preferably away from direct sun

- Short term storage (<3 months) temperatures -30°C to +60°C preferably away from direct sun

- Energy Bank Transportation and Storage Guidelines

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Installers - Learning Path

Certification Exam required for installer to install SolarEdge Energy Bank

SolarEdge Energy Bank training course available on EDGE Academy: <u>ENG</u>, <u>IT</u>, <u>NL</u>, <u>FR</u>, (DE, ES available soon)

The course covers the following learning topics:

- Solution offering

- Product overview

- Installation

- Certification test

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Logistic data and ordering information

Part Number	Description	Family Type	HS Code	Qty/Box	Unit Net Weight [KG] For Qty/PN	Packed Weight (KG) For Qty/Box	Box Height (MM)	Box Length (MM)	Box Width (MM)
BAT-10K1PS0B-01	SolarEdge Energy Bank Battery, 10 years warranty	Accessories	8507600090	1	121,4	152,6	500	1.220	1.020
IAC-RBAT-HANDLE-01	SolarEdge Energy Bank Mounting Handles (4 handles in a box)	Accessories	83024900	4	3,7	3,8	91	340	210
IAC-RBAT-RWYCBL-01	SolarEdge Energy Bank Branch Connector set (10 pairs in a box)	Accessories	85369099	10	3,8	3,9	88	302	200
IAC-RBAT-FLRSTD-01	SolarEdge Energy Bank Floor Stand, 10 years warranty	Accessories	94032099	1	15,7	20,6	318	790	500
ENET-HBCL-01	SolarEdge Energy Net Plug-in and antenna for inverters with cellular socket	Accessories	85176290	5	0,5	0,8	91	340	210

- Logistic data provided with latest price list

- Energy Bank MOQ: full track – 104 units

- pictures

  - Energy Bank: https://sparc.canto.global/b/SQNV2

  - Floor Stand: https://sparc.canto.global/b/TP96B

  - Mounting Handles: https://sparc.canto.global/b/VLUDG

  - Branch Connector set: https://sparc.canto.global/b/MB0AV

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Information Package for Distributors

- DS: ENG, IT, NL, FR, DE, ES

- Manual wall mount: ENG, IT, NL, FR, DE, ES

- Manual floor mount: ENG, IT, NL, FR, DE, ES

- Connection and Configuration AppNote: ENG, IT, NL, FR, DE, ES

- Use case document / configuration options

- Energy Bank Safety Datasheet (MSDS): ENG, IT, NL, FR, DE, ES

- UN38.3 Transport Certificate

- Emergency Response Guide (ERG): ENG, IT, NL, FR, DE, ES

- Energy Bank Transportation and Storage Guidelines

- Warranty: ENG, IT, NL, FR, DE, ES

- CE declaration: ENG, IT, NL, FR, DE, ES

- UKCA declaration

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Contact

<ADD REGIONAL CONTACT HERE>

Orders: Orders_CE@solaredge.com

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Thank You!

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