



SolarEdge Home Battery 400V

USA Domestic Content Eligible, for North America

BAT-10K1P

UBAT-10K1PS0B-03		
BATTERY SPECIFICATION		
Usable Energy (100% depth of discharge)	9700	Wh
Continuous Output Power ⁽¹⁾	5000	W
Peak Output Power (for 10 seconds)	7500	W
Peak Roundtrip Efficiency	94.5	%
Warranty ⁽²⁾	10	Years
Voltage Range	350 – 450	Vdc
Max Continuous Output Current	14.3	A
Max Short Circuit Current / Duration	1k/10	Adc/msec
ADDITIONAL FEATURES		
Compatible Inverters ⁽³⁾	SolarEdge Home Hub Inverters	
Batteries per Inverter ⁽⁴⁾	Up to 3	
Communication Interfaces	Wireless ⁽⁵⁾ and RS485	
STANDARD COMPLIANCE		
Certification	Cell	UL 1642
	Battery	UL 1973, UL 9540A, UL 9540, UN 38.3
Emissions		FCC Part 15 Class B
MECHANICAL SPECIFICATIONS		
Dimensions (W x H x D)	31.1 x 46.4 x 9.84 / 790 x 1179 x 250	in / mm
Weight	262 / 119	lb / kg
Mounting	Floor ⁽⁶⁾ or wall mount ⁽⁷⁾	
Ambient Operating Temperature Range ⁽⁸⁾	-4 to +122 / -20 to +50	°F / °C
Storage Temperature (limited period) ⁽⁹⁾	-22 to +140 / -30 to +60	°F / °C
Storage Temperature (Up to 12 months since shipment date)	+14 to +86 / -10 to +30	°F / °C
Enclosure Protection	IP55 / NEMA 3R - indoor and outdoor ⁽¹⁰⁾ (water and dust protection)	
Maximum Altitude	6562 / 2000	ft / 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. For compatible inverter information, see the [SolarEdge Home Hub Inverter for North America](#) datasheet and the [SolarEdge Home Hub Inverter for North America Assembled in North America](#) datasheet.
4. Installations with multiple SolarEdge Home Batteries connected to a single inverter require a pair of SolarEdge branch connectors (DC + and DC -) per battery, excluding the last battery. The branch connectors should be purchased separately. For more details, see the [Connecting the Home Hub Inverter to Multiple Home Batteries](#) technical note.
5. For additional details, see the [SolarEdge Home Network Plug-In](#) datasheet.
6. The floor stand is purchased separately. One floor stand is required per SolarEdge Home Battery. See the [SolarEdge Home Battery \(High Voltage\) Floor Mount Stand](#) assembly guide and the Accessories P/N table below.
7. Wall mount installation requires handles that should be purchased separately. See the Accessories P/N table below.
8. The SolarEdge Home Battery 400V is to be installed in a location where the ambient temperature falls between -4°F to +122°F. The maximum allowed duration below 32°F is limited to 30% of the days within any rolling 12-month period.
9. For details, see the [SolarEdge Home Battery 400V Transportation and Storage Guidelines](#) application note.
10. Installation in direct sunlight is allowed only when the ambient temperature is within the Ambient Operating Temperature Range.

SolarEdge Home Battery – Accessories (purchased separately)	
ACCESSORY	P/N
Floor stand	IAC-RBAT-FLRSTD-01
Branch connector set (includes 10 pairs of DC + and DC - connectors) Required for installations with multiple SolarEdge Home Battery batteries with a single inverter	IAC-RBAT-USYCBL-01
Handles	IAC-RBAT-HANDLE-01