BATTERIES

SolarEdge Home Battery

Low Voltage, for Europe

BAT-05K48



PRELIMINARY

Optimized storage solution for SolarEdge Home Hub Inverter - Three Phase with Backup

- DC coupled battery featuring superior overall system efficiency, generating more energy to store and use for on-grid and backup* power application
- Integrates seamlessly with the complete SolarEdge Home ecosystem, offering a single source for warranty, support and training, to streamlined logistics & operations
- Includes enhanced safety features for battery protection
- Scalable solution that enables to stack up multiple battery modules per inverter for increased capacity (up to 23 kWh)
- Solar, storage, EV charging, and smart devices all monitored and managed by a single app for optimized production, consumption, and backup* power
- Simple plug and play installation, with automatic SetApp-based configuration

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

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	BAT-05K48 (1)	UNITS
BATTERY MODULE SPECIFICATION		
Usable Energy (100% depth of discharge)	4600	Wh
Continuous Output Power (Charge/Discharge) – for a single module	2825/4096	W
Continuous Output Power (Charge/Discharge) – for multiple modules	5000/5000	W
Peak Roundtrip Efficiency	>94.5	%
Warranty (2)	10	years
Voltage Range	44.8 – 56.5	Vdc
Communication Interfaces	RS485 between modules, CAN bus to inverter	
Modules per Inverter	Up to 5 connected in parallel	
STANDARD COMPLIANCE		
Safety (cell level)	IEC62619, UL1973, UL9540A, UN38.3	
Safety (Module level)	IEC62619, IEC63056, IEC62040-1, VDE-AR-E 2510-50	
Emissions	IEC61000-6-1, IEC61000-6-2, IEC61000-6-5, EN55011	
MECHANICAL SPECIFICATIONS		
Dimensions (W x H x D)	540 x 500 x 240	mm
Weight	54.7	kg
Mounting	Floor stand and wall attach	
Operating Temperature (3) Discharge/Charge	-10 to +50	°C
Storage Temperature (12 months between recharge)	-10 to +30	°C
Storage Temperature (8 months between recharge)	-10 to +45	°C
Maximum Altitude	2000	m
Enclosure Protection	IP65 / NEMA 3R - indoor and outdoor (water and dust protection)	
Cooling	Natural convection	
Noise (at 1m distance)	<25	dBA

(1) Specification applies to PN "BAT-05K48S0B-01"
(2) For warranty details, please refer to the SolarEdge Home Battery Limited Warranty.
(3) Derating applies. Please note that operating the SolarEdge Home Battery at extreme temperatures for extended durations of time may void the Battery warranty coverage. Please see the SolarEdge Home Battery Limited Product Warranty for additional details.

PRELIMINARY

SOLAREDGE HOME BATTERY - ACCESSORIES (PURCHASED SEPARATELY)	
DESCRIPTION	**PN**
Accessory residential battery, top cover (1 required per tower)	IAC-RBAT-5KMTOP-01
Accessory Residential battery, cable set battery to inverter	IAC-RBAT-5KCINV-01
Accessory residential battery, cable set battery to battery	IAC-RBAT-5KCBAT-01
Accessory Residential battery, cable set tower to tower	IAC-RBAT-5KCTOW-01
Floor stand (optional)	IAC-RBAT-5KFSTD-01

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