

SolarEdge Home Batterij 48V voor Europa

BAT-05K48



Geoptimaliseerde opslagoplossing voor SolarEdge Home Hub en Enkel de StorEdge Wave-omvormers – driefasig

- DC-gekoppelde batterij met uitgebreide systeemprestaties, waardoor meer energie kan worden opgeslagen en gebruik voor on-grid en back-up* toepassingen
- Integreert naadloos met het volledige SolarEdge Home aanbod. Het biedt één aanspreekpunt voor garantie, ondersteuning en training en vereenvoudigde logistiek & bediening
- Bevat geavanceerde veiligheidsfuncties voor constante batterijbescherming
- Schaalbare oplossing voor meer vermogen en capaciteit met meerdere SolarEdge omvormers (tot 3 stuks) en batterijen (tot 23kWh per omvormer)
- Zonne-energie, opslag, EV en slimme apparaten worden allemaal gecontroleerd en beheerd door één app om productie, het verbruik en back-upvermogen van zonne-energie te optimaliseren*
- Eenvoudige plug-and-play-installatie, met automatische SetApp-gebaseerde configuratie

* Back-toepassingen zijn onderhevig aan lokale regelgeving en vereisen extra componenten en firmware-upgrades

/ SolarEdge Home Batterij 48V

voor Europa

BAT-05K48

BAT-05K48 ⁽¹⁾		EENHEDEN
BATTERIJ SPECIFICATIES		
Bruikbare energie (100% ontladingsdiepte)	4600	WH
Constant uitgangsvermogen (opladen/ontladen) – voor een enkele batterij	2825/4096	W
Constant uitgangsvermogen (opladen/ontladen) – voor meerdere batterijen	5000/5000	W
Piek Roundtrip Efficiëntie	>95.4	%
Garantie ⁽²⁾	10	jaren
Spanningsbereik	44.8 – 56.5	Vdc
Communicatie-interfaces	RS485 tussen batterijen, CAN-bus naar omvormer	
Batterij per omvormer	tot 5 per omvormer, parallel geschakeld	
Type batterij	Li-Ion - LFP	
Ondersteunde omvormers	https://www.solaredge.com/sites/default/files/se-compatibility-matrix-for-solaredge-three-phase-inverters-and-batteries-application-note-nl.pdf	

REGELGEVING		
Certificering (cel)	IEC62619, UN38.3, UL9540A	
Certificering (batterij)	UN38.3, IEC62619, IEC63056, IEC62040-1, VDE-AR-E 2510-50 ⁽³⁾	
Emissies	IEC61000-6-1, IEC61000-6-2, IEC61000-6-3, IEC61000-6-4, 61000-3-12	

INSTALLATIESPECIFICATIES		
Afmetingen (B x H x D)	540 x 500 x 240	mm
Gewicht	54.7	kg
Montage	Vloermontage of Vloermontage met muurbevestiging	
Bedrijfstemperatuur ⁽⁴⁾ Ontladen/opladen	-10 tot +50	°C
Opslagtemperatuur (12 maanden tussen opladen)	-10 tot +45	°C
Maximum installatiehoogte	2000	m
Bescherming behuizing	IP65 / NEMA 3R – binnen en buiten (water- en stofbescherming)	
Koeling	Natuurlijke convectie	
Geluidniveau op 1m afstand	<25	dBa

(1) Specificaties zijn van toepassing op artikelnummer BAT-05K48M0B-01 en BAT-05K48M0B-02.

(2) Voor garantiedetails verwijzen wij u naar de Beperkte garantie van de SolarEdge Home Batterij.

(3) Ontworpen om te voldoen aan VDE-AR-E-2510-50

(4) De-rating is van toepassing. Houd er rekening mee dat het gebruik van de SolarEdge Home Batterij bij extreme temperaturen gedurende langere tijd de dekking van de batterijgarantie kan doen vervallen. Raadpleeg de Beperkte productgarantie van de SolarEdge Home Batterij voor meer informatie.

SOLAREGE HOME BATTERIJ – ACCESSOIRES (APART VERKRIJGBAAR)

BESCHRIJVING	PN
Accessoire residentiële batterij, Top Cover (1 vereist per toren)	IAC-RBAT-5KMTOP-01
Accessoire residentiële batterij, kabelset batterij naar Hub-omvormer (PN SE*K-RWB48)	IAC-RBAT-5KCINV-01
Accessoire residentiële batterij, kabelset batterij naar StorEdge -omvormer (PN SE*K-RWS)	IAC-RBAT-5KCINV-02
Accessoire residentiële batterij, kabelset batterij naar batterij	IAC-RBAT-5KCBAT-01
Accessoire residentiële batterij, kabelset batterijtoeren naar tweede batterijtoeren	IAC-RBAT-5KCTOW-01
Vloerstandaard (optioneel)	IAC-RBAT-5KFSTD-01
Accessoire 10 * Reserve connectorkit voor "Batterij naar omvormer"-aansluiting, SolarEdge Home-batterij, Lage spanning	IAC-RBAT-5KCNCT-01
Accessoire 10 * Reserve connectorkit voor "Toeren naar toeren"-aansluiting, SolarEdge Home-batterij, Lage spanning	IAC-RBAT-5KCNCT-02

BATTERIJHOOGTE PER SAMENSTELLING			
SAMENSTELLING	MET VLOERSTAND	ZONDER VLOERSTAND	EENHEID
1 module met top cover	670	620	mm
2 modules met top cover	1170	1120	
3 modules met top cover	1670	1620	

SolarEdge Home Battery

Low Voltage

Used with SolarEdge inverters



Quick Installation and Operation Guide

for Europe

Unpacking and
mounting video



Wiring
video



Battery Installation
Manual



Emergency Response
guide, including emergency
phone numbers



Safety
Datasheet



Battery
Datasheet

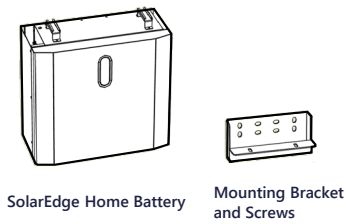


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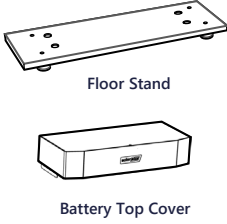
Support Contact Information
In case of any technical issues with SolarEdge products, please contact us at:
<https://www.solaredge.com/service/support>

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What's in the Package



Ordered Separately

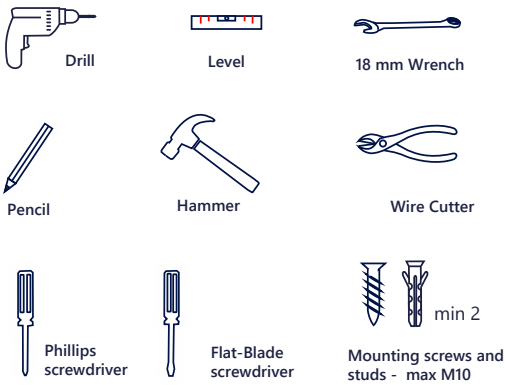


Available Cables	Available Cables		
	Battery to Battery	Tower to Tower	Battery to inverter
DC cables	57cm	260 cm	260 cm
Ground cable	55cm	170 cm	260 cm
Communication cable	57cm	170 cm	260 cm

Required Personnel



Tools and Materials



- WARNING!**
This symbol denotes a hazard. It calls attention to a procedure that if not correctly performed or adhered to could result in injury or loss of life. Do not proceed beyond a warning note until the indicated conditions are fully understood and met.
- WARNING!**
Before installing or operating the SolarEdge Home Battery, read the Safety and Handling instructions at the back of this page.

1 Turning off the Battery Power

WARNING! Make sure that the circuit breakers of the battery are in the OFF position and all LEDs are turned off.

3 Floor Stand Positioning and Leveling

WARNING! Mount the battery on a stable surface.

NOTE: Before installing batteries on top of each other, checked that the max tilt of the wall is 1.5%

2 Planning and Considerations

WARNING! Connect no more than 5 batteries per inverter. Use no more than 3 batteries per battery tower.

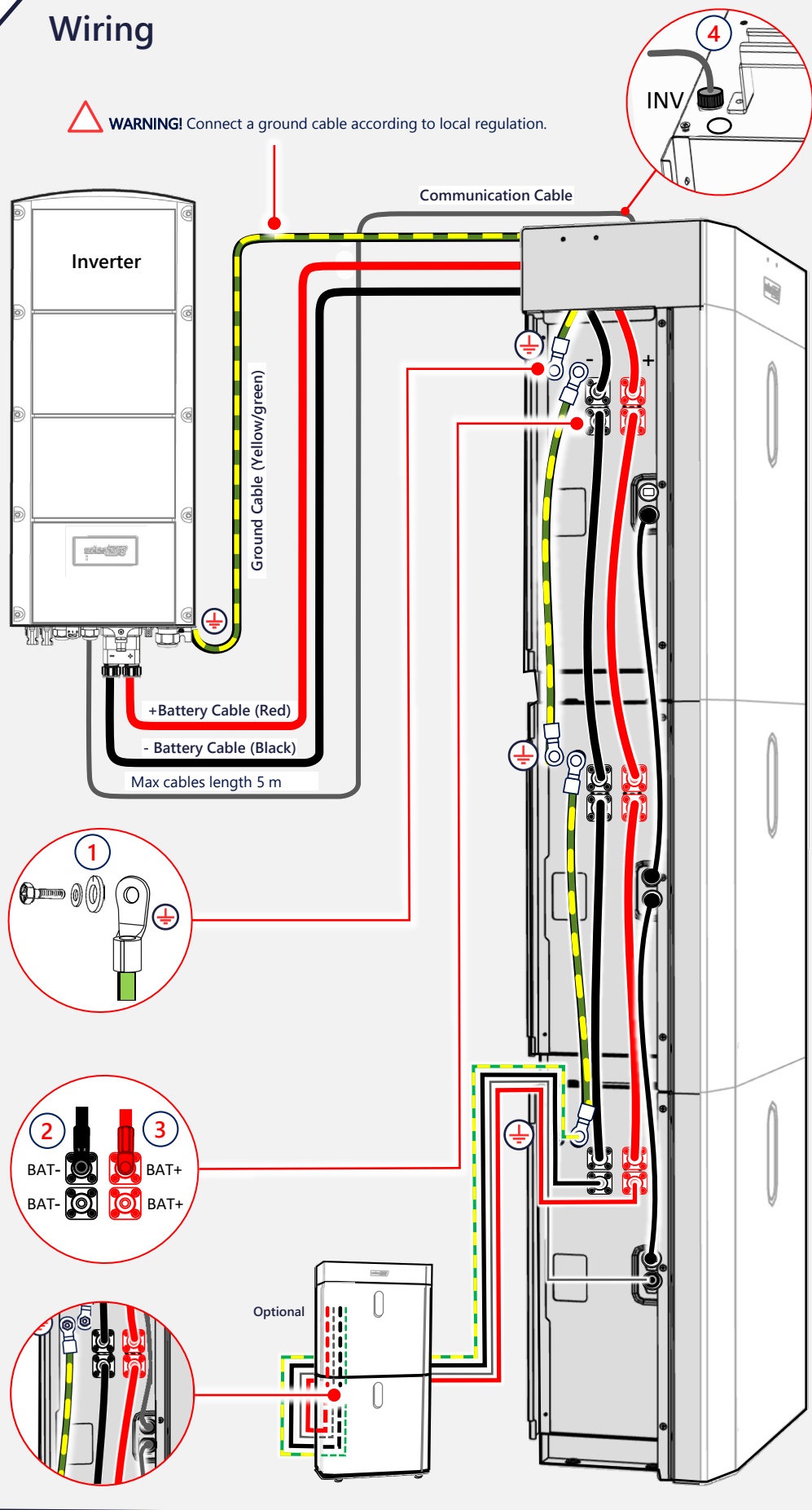
4 Installing the Mounting Bracket

NOTE: Use a minimum of two wall screws to install the bracket. Use additional screws to reinforce installation according to wall condition.

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Wiring

WARNING! Connect a ground cable according to local regulation.



SAFETY AND HANDLING INSTRUCTIONS

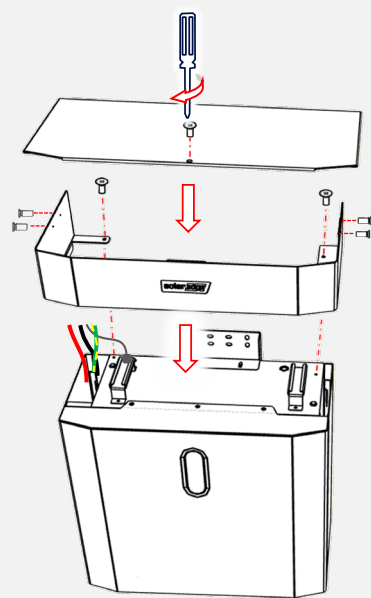
Read this entire document before installing or operating the SolarEdge Home Battery (referred to as the "Battery"). Failure to do so or to follow any of the instructions or warnings in this document can result in electrical shock, serious injury, or death, or may damage the Battery and other property. Do not discard this document! After installation, keep it adjacent to the Battery for future reference!

Installation

- Install the battery according to national and local codes and standards and in locations compliant with local building codes and standards.
- The Battery installation must be carried out only by qualified electricians who have been trained in handling low voltage electricity works.
- The Battery is heavy. Adhere to local regulations for material handling and heavy lifting, when installing heavy equipment.
- Do not install the Battery in habitable spaces, including sleeping rooms.
- Make sure the mounting surface can sustain the total weight of the Battery and mounting bracket.
- Do not install the Battery, if it has been dropped, crushed, or has signs of physical damage.
- When the Battery is installed in a residential environment, fire detection and protection equipment must be installed in accordance with local building and fire codes.
- Do not install the Battery near heating equipment, ignition sources, or open flames.
- Install the Battery only on non-combustible surfaces and under non-combustible ceilings, overhangs, or eaves.
- Do not install the Battery in proximity to gas meters, valves, regulators, lines, or gas appliances. Follow local codes. However, 2m / 6ft or more spacing is highly recommended. A failing battery may ignite flammable gasses resulting in property damage, serious injury, or death.
- Avoid installing the Battery in direct sunlight.
- Install the Battery in a location protected from flooding.
- Do not install the Battery in the vicinity of water sources, including downspouts, sprinklers, or faucets.
- When installing the Battery in a garage or near vehicles, keep it out of the driving path. If possible, install the Battery on a side wall and/or above the height of vehicle bumpers.
- Before beginning the wiring, ensure that the Battery is switched off. Also, make sure that the DC safety switch of all inverters in the PV system is turned off.

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Installing the Battery Top Cover



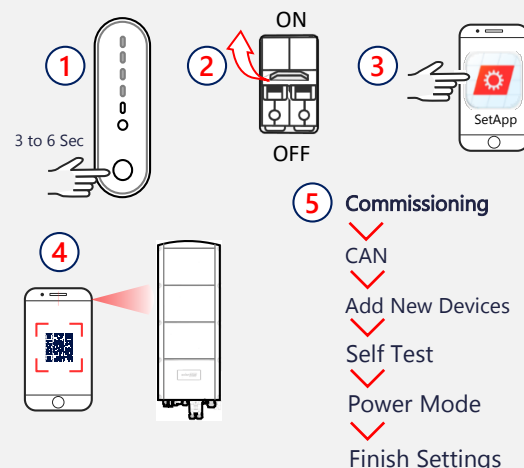
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Configuring Installation

1. Hold the Reset button pressed for 3 to 6 seconds till the LEDs blink.
2. Turn on the circuit breakers of the battery.
3. Run SetApp.
4. Scan the QR code on the inverter.
5. Follow the on-screen instructions.

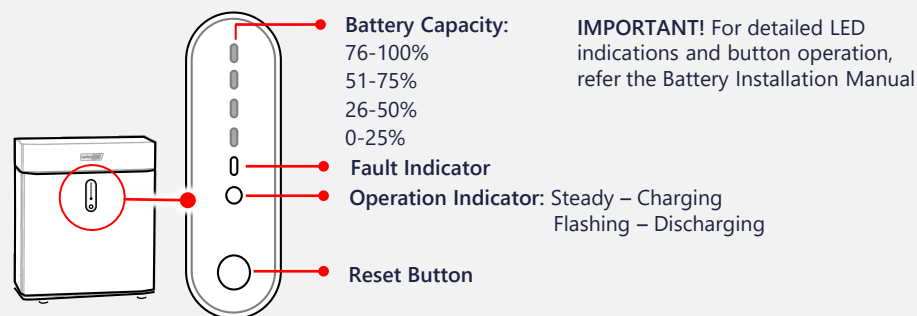
For post-installation settings, see **Connection and Configuration** application note.

NOTE: The battery operation is managed by the SolarEdge inverter connected to the battery.



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LED Indications



Operation

- The Battery contains rechargeable lithium-ion cells that are potentially hazardous and can present a serious fire hazard, injury and/or property damage if damaged, defective or improperly used.
- In case of an electrolyte leak from the Battery, avoid contact with electrolyte and follow the instructions in the *SolarEdge Home Battery – Emergency Response Guide*.

Emission Compliance

- Changes or modifications not expressly approved by SolarEdge for compliance may void the user's authority to operate the Battery.
- Use the Battery only as directed in this document.
- Do not use the Battery if it is defective, appears cracked, broken, or otherwise damaged, or fails to operate.
- The Battery and its components are not user-serviceable.
- Do not attempt to open, disassemble, repair, tamper with, or modify the Battery. The Battery cells are not replaceable.
- Do not operate the Battery at ambient temperatures of above 50°C/122°F or below -10°C/14°F. Operating the Battery in temperatures outside the specified range might cause damage to the Battery.
- Do not expose the Battery or its components to direct flame.
- Do not store or use flammable liquids or gasses in the vicinity of the Battery.
- Do not place any combustible items in the vicinity of the Battery.
- If the Battery catches fire, or if fire breaks out near the Battery, call the fire department immediately and follow the instructions in the *SolarEdge Home Battery – Emergency Response Guide*.
- The Battery is prone to re-ignition after extinguishing. Use caution and follow the emergency response instructions.
- Do not immerse the Battery or its components in water or other fluids.
- Charge and discharge voltage: 44.8-56.5 Vdc.
- Do not use solvents to clean the Battery or expose the Battery to flammable or harsh chemicals or vapors.
- Do not use fluids, parts, or accessories other than those specified in this guide, including use of non-genuine SolarEdge parts or accessories, or parts or accessories not purchased directly from SolarEdge or a SolarEdge certified party.
- After the installation, do not place the Battery in storage conditions for more than one (1) month, or permit the power feed to the Battery to be discontinued for more than one (1) month.
- Do not paint any part of the Battery, including any internal or external components such as the exterior shell or casing.
- Ensure that snow does not accumulate around the Battery.
- A non-functioning Battery must be handled with caution. The Battery state of charge and risk of venting may be unknown. Contact SolarEdge for assistance.
- Do not attempt to remove or transport a damaged or non-functioning battery. Contact SolarEdge or your SolarEdge certified installer for support.
- This symbol  on the product means: Do not dispose of this product with general household waste. Consult your local regulations for proper disposal instructions.