

For updates, check:



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

© SolarEdge Technologies, Ltd. All rights reserved. Version: 1.4, October 2022 Subject to change without notice.

solaredge

Installation and **Operation Guide**



SolarEdge Home **Backup Interface**

for use with the SolarEdge Home Hub Inverter – Single Phase

What's in the Package



Required Tools



Level



Mounting screws To rque w r ench

 \longrightarrow

SAFETY AND HANDLING INSTRUCTIONS

- Read this entire document before installing or operating the Backup Interface. 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 Backup Interface and other property
- Do not discard this document! After installation, keep it adjacent to the Backup Interface for future reference!
- Before operating the Backup Interface and inverter, ensure that they are properly grounded. The Backup Interface and inverter must be connected to a grounded, metal, permanent wiring system, or an equipment-grounding conductor must be run with the circuit conductors and connected to the equipment grounding terminal or lead.
- Opening the Backup Interface and repairing or testing under power must be performed only by qualified service personnel familiar with the Backup Interface.

WARNING!

01

0-

(1)

<u>_</u>

2

х З

This symbol on the product or in the accompanying documentation 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.



<u>/!</u>`

This symbol on the product denotes risk of electric shock due to stored energy. Before handling the product, wait 17 seconds after disconnecting it from all sources of energy.



Install Conduits

Release the six screws and remove the Backup Interface cover. 1. 2. Install Loads, Grid, Generator (optional) cable conduits as per local regulation Conduit size: 25-32mm





Cable Gauge Torque L1 Grid 6–16mm² 6.0 N*m

Connect Backup Interface

Turn off connection to arid by switching off the main ci breaker 1.

3

For the Home Hub Inverter

Installation Guide, scan







Manually Switching to Grid-Connected Mode



In case of a Backup Interface failure or when necessary, you can reconnect the system to AC power from the grid. When the system is manually switched to the grid-connected mode, no backup of the loads is possible. To switch to the grid-connected mode:

- 1. Turn off the Backup Interface.
 - Turn off the inverter. Move the Manual Control switch to ON.



LED Indications



Technical Specifications

	BI-NAUGN1P	
INPUT FROM GRID		
AC Current Input	100	A
AC Output Voltage (Nominal)	230	Vac
AC Output Voltage Range	160 - 264	Vac
AC Frequency (Nominal)	50	Hz
AC Frequency Range	45 - 55	Hz
Microgrid Interconnection Device Rated Current	100	A
Grid Disconnection Switchover Time	<3	sec
OUTPUT TO MAIN DISTRIBUTION PANEL		
Maximum AC Current Output	100	А
AC Frequency (Nominal)	50	Hz
AC Frequency Range	45 - 55	Hz
Maximum Inverters AC Current Output in Backup Operation	100	A
AC L-N Output Voltage in Backup (Nominal)	230	V
AC L-N Output Voltage Range in Backup	160 - 264	V
AC Frequency Range in Backup	45 - 55	Hz
Overvoltage Category	III	
GENERATOR ⁽¹⁾		
Maximum Rated AC Power	23000	W
Maximum Continuous Input Current	100	Aac
Dry Contact Switch Voltage Rating	250/30	Vac/Vdc
Dry Contact Switch Current Rating	5	A
2-wire Start Switch	Yes	
ADDITIONAL FEATURES	1	
Installation Type	Suitable for use as service equipment	
Number of Communication Inputs	1	
Communication	R\$485	
Manual Control Over Microgrid Interconnection Device	Yes	
STANDARD COMPLIANCE	1	
Safety	IEC/EN 62109-1	
Emissions	AS/NZS CISPR 32	
INSTALLATION SPECIFICATIONS		
Supported Inverters	Single phase Energy Hub inverter with Prism technology	
AC From Grid Conductor Cable Area	6 - 16	mm ²
Grid / Loads Conduit Size	25 - 32	mm
AC Conductor Cable Area	4 - 10	mm ²
Generator Conductor Cable Area Pange	1 - 16	
Communication Cable Conductor Area	0.02 - 1.5	mm²
Communication Gland Size	5-15	mm
Weight	<4	kg
Noise	< 50	dBA
Operating Temperature Range	-40 to +50	°C
Relative Humidity Range	0-100	%
Protection Rating	IP65	
Dimensions (H x W x D)	390 x 238 x 147	mm
	Outdoor	
Dollution degree	2	
Maximum Altitude Kating	2000	