SolarEdge Home Backup Interface Three Phase, for Europe

BI-EU3P



Flexible Backup Interface

- Automatically provides backup power to home loads in the event of grid interruption
- Full flexibility in which loads to backup the entire home or selected loads
- Scalable solution to support higher power & higher capacity
- Seamless integration with the SolarEdge Home Hub Inverter to manage and monitor both PV generation and energy storage



BACKUF

/ SolarEdge Home Backup Interface Three Phase, for Europe

BI-EU3P

	BI-EU3P ¹	UNITS
INPUT FROM GRID		
AC Current Input	3*63	А
AC Output Voltage (Nominal) Line - Line	230	V
AC Output Voltage Range (Line - Line)	160 - 264	V
AC Frequency (Nominal)	50	Hz
AC Frequency Range	45 - 55	Hz
Microgrid Interconnection Device Rated Current	3*63	А
Grid Disconnection Switchover Time	< 3	Sec
OUTPUT TO MAIN DISTRIBUTION PANEL		
Maximum AC Current Output	3*63	А
AC Frequency (Nominal)	50	Hz
AC Frequency Range	45 - 55	Hz
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	
ADDITIONAL FEATURES	183	
Operation During Backup	Disconnection of 3 phases + N from external grid; PE to Neutral connection on internal grid	t
Number of Communication Inputs	2	
Communication	RS485 and SolarEdge Energy Network	
Energy Meter (for Import/Export)	Integrated ² , 1.25% accuracy	
Manual Control Over Microgrid Interconnection Device	Yes	
STANDARD COMPLIANCE		
Safety	IEC/EN 62109-1	
Emissions	IEC 61000-6-2, IEC 61000-6-3, IEC 61000-3-11, IEC 61000-3-12, EN55011	
INSTALLATION SPECIFICATIONS		
Supported Inverters	SolarEdge Home Hub Inverter - Three Phase with Backup	
AC From Grid Conductor Cross Section	6 - 16	mm²
Grid / Loads Conduit Diameter	25 - 32	mm
AC Conductor Cross Section	6 - 16	mm²
Communication Cable Cross Section	0. 2 – 1.5	mm²
Communication Gland Diameter	5 - 15	mm
Weight	<5	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
Environmental Category	Outdoor	
Pollution Degree	3	
Maximum Altitude Rating	2000	m

© SolarEdge Technologies, Inc. All rights reserved. SOLAREDGE, the SolarEdge logo, OPTIMIZED BY SOLAREDGE are trademarks or registered trademarks of SolarEdge Technologies, Inc. All other trademarks mentioned herein are trademarks of their respective owners. Date: March 8, 2022 DS-000142. Subject to change without notice.

RoHS

¹ Applicable for PN BI-NEUNU-3P-01

² Pending firmware support