SolarEdge Home Backup Interface

Three Phase, for Europe

BI-EU3P

BACKUP



Flexible Backup Interface

- Automatically provides backup power to home loads in the event of grid interruption
- Flexibility in which loads to back up - 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

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	BI-EU3P[1]	UNITS
GRID CONNECTION		
AC Current Input	3*63	A
AC Voltage Line – Neutral (Min/Nom/Max)	160/230/264	V
AC Frequency (Min/Nom/Max)	45/50/55	Hz
Microgrid Interconnection Device Rated Current	3*63	A
Grid Disconnection Switchover Time	< 10[2]	Sec
OUTPUT TO DISTRIBUTION PANEL		
Maximum AC Current Output	3*63	A
AC Voltage Line – Neutral (Min/Nom/Max)	160/230/264	V
AC Frequency (Min/Nom/Max)	45/50/55	Hz
Overvoltage Category	III	
ADDITIONAL FEATURES		
Operation During Backup	Connection of 3 phases + N from external grid; PE to Neutral connection / disconnection configuration option on internal grid	
Number of Communication Inputs	1	
Communication	RS485 and SolarEdge Energy Network	
Energy Meter (for Import/Export)	Integrated[3], 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	mm^2
Grid / Loads Conduit Diameter	25 - 32	mm
AC Conductor Cross Section	6 - 16	mm^2
Communication Cable Cross Section	0. 2 – 1.5	mm^2
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

(1) Applicable for PN BI-NEUNU-3P-01
(2) According to local grid settings
(3) Pending firmware support

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