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 SolarEdge Home Hub and SolarEdge Nexis inverters to manage and monitor both PV generation and energy storage

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	BI-EU3P[1]	UNITS
GRID CONNECTION		
AC Current Input	3 x 100	A
AC Voltage Line – Neutral (Min / Nom / Max)	184 / 230 / 264	V
AC Frequency Range	50 / 60	Hz
On Grid to Off Grid Switchover Time	< 3	Sec
OUTPUT TO DISTRIBUTION PANEL		
Maximum AC Current Output	3 x 100	A
AC Voltage Line – Neutral (Min/Nom/Max)	184 / 230 / 264	V
AC Frequency Range	50 / 60	Hz
Overvoltage Category	III	
ADDITIONAL FEATURES		
Supported Grid Topologies	TT, TN-S, TN-C-S[2]	
Operation During Backup	Disconnection of 3 phases + N from external grid; PE to Neutral connection on load side / disconnection configuration option on internal grid	
Number of Communication Inputs	1	
Communication	RS485	
Energy Meter (for Import/Export)	Integrated, 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, EN 55011	
INSTALLATION SPECIFICATIONS		
Supported Inverters on a Three-Phase Grid	SolarEdge Home Hub Inverter – Single Phase SolarEdge Home Hub Inverter – Three Phase SolarEdge Nexis Inverter 1ph[3] SolarEdge Nexis Inverter 3ph	
Grid / Loads Conductor Cross Section	6 – 35	mm^2
Grid / Loads Conduit Diameter	14 – 22	mm
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 and BI-NEUNU-3P-02.
(2) For other topologies contact SolarEdge support.
(3) Also supported on a single-phase grid.

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