

BACKUP

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

/ SolarEdge Home Backup Interface

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		BI-EU3P ¹	UNITS
INPUT FROM GRID			
AC Current Input		3*63	A
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	A
Grid Disconnection Switchover Time		< 3	Sec
OUTPUT TO MAIN DISTRIBUTION PANEL			
Maximum AC Current Output		3*63	A
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			
Operation During Backup	Disconnection of 3 phases + N from external grid; PE to Neutral connection on internal grid		
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		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

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RoHS

¹ Applicable for PN BI-NEUNU-3P-01

² Pending firmware support