

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

Three Phase, for Europe

BI-EU3P

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

¹ Applicable for PN BI-NEUNU-3P-01

² Pending firmware support