

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

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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