

# Backup Interface

For Australia

BI-AU1P



HOME BACKUP

## Backup Interface for Flexible Backup

- 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<sup>(\*)</sup>
- Seamless integration with the Energy Hub Inverter with Prism Technology to manage and monitor both PV generation and energy storage
- Generator connection support\*

\* Requires supporting inverter firmware

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| BI-NAUGN1P  |                                       |         |
|---|---------------------------------------|---------|
| <b>INPUT FROM GRID</b>                                  |                                       |         |
| AC Current Input  | 100                                   | A       |
| AC Output Voltage (Nominal)                             | 230                                   | Vac     |
| AC Output Voltage Range                                 | 160 - 264                             | Vac     |
| AC Frequency (Nominal)                                  | 50                                    | Hz      |
| AC Frequency Range                                      | 45 - 55                               | Hz      |
| Microgrid Interconnection Device Rated Current          | 100                                   | A       |
| Grid Disconnection Switchover Time                      | <3                                    | sec     |
| <b>OUTPUT TO MAIN DISTRIBUTION PANEL</b>                |                                       |         |
| Maximum AC Current Output                               | 100                                   | A       |
| AC Frequency (Nominal)                                  | 50                                    | Hz      |
| AC Frequency Range                                      | 45 - 55                               | Hz      |
| Maximum Inverters AC Current Output in Backup Operation | 100                                   | A       |
| 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                                   |         |
| <b>GENERATOR<sup>(1)</sup></b>                          |                                       |         |
| Maximum Rated AC Power                                  | 17250                                 | W       |
| Maximum Continuous Input Current                        | 75                                    | Aac     |
| Dry Contact Switch Voltage Rating                       | 250/30                                | Vac/Vdc |
| Dry Contact Switch Current Rating                       | 5                                     | A       |
| 2-wire Start Switch                                     | Yes                                   |         |
| <b>ADDITIONAL FEATURES</b>                              |                                       |         |
| Installation Type                                       | Suitable for use as service equipment |         |
| Number of Communication Inputs                          | 1                                     |         |
| Communication   | RS485                                 |         |
| Energy Meter (for Import/Export)                        | 1.25% accuracy                        |         |
| Manual Control Over Microgrid Interconnection Device    | Yes                                   |         |

(1) Requires supporting inverter firmware

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| BI-NAUGN1P                           |   |                 |
|--------------------------------------|---|-----------------|
| <b>STANDARD COMPLIANCE</b>           |   |                 |
| Safety                               | IEC/EN 62109-1  |                 |
| Emissions                            | AS/NZS CISPR 32   |                 |
| <b>INSTALLATION SPECIFICATIONS</b>   |   |                 |
| Supported Inverters                  | StorEdge single phase inverter,<br>Single phase Energy Hub inverter with Prism technology |                 |
| AC From Grid Conductor Cable Area    | 6 - 16  | mm <sup>2</sup> |
| Grid / Loads Conduit Size            | 25 - 32   | mm              |
| AC Conductor Cable Area              | 4 - 10  | mm <sup>2</sup> |
| Generator Conductor Cable Area Range | 4 - 16  | mm <sup>2</sup> |
| Generator Conduit Size               | 25-32   | mm              |
| Communication Cable Conductor Area   | 0.02 – 1.5  | mm <sup>2</sup> |
| Communication Gland Size             | 5-15  | mm              |
| Weight                               | <4  | 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  |                 |