Backup Interface
for Australia

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 back up – the entire home or selected loads
- Scalable solution to support higher power & higher capacity(*)
- 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

Backup Interface For Australia

Part Number	BI-NAUGN-01	Units
Model Number	BI-AU1P	
INPUT FROM GRID		
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
OUTPUT TO MAIN DISTRIBUTION PANEL		
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	
GENERATOR(1)		
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	
ADDITIONAL FEATURES		
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	
STANDARD COMPLIANCE		
Safety	IEC/EN 62109-1	
Emissions	AS/NZS CISPR 32	
STANDARD COMPLIANCE		
Supported Inverters	StorEdge single phase inverter, Single phase Energy Hub inverter with Prism technology	
AC From Grid Conductor Cable Area	6 - 16	mm^2
Grid / Loads Conduit Size	25 - 32	mm
AC Conductor Cable Area	4 - 10	mm^2
Generator Conductor Cable Area Range	4 - 16	mm^2
Generator Conduit Size	25-32	mm
Communication Cable Conductor Area	0.02 – 1.5	mm^2
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	

(1) Requires supporting inverter firmware

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