

# Backup Interface

## for North America

BI-EUSGN-01 / BI-NUSGN-01



STOREDGE®

## 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>
- Built-in Auto Transformer and Energy Meter for easier and faster installation
- Seamless integration with the Energy Hub Inverter with Prism Technology to manage and monitor both PV generation and energy storage
- Generator connection support<sup>(\*)</sup>

<sup>(\*)</sup> Requires supporting inverter firmware

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## BI-EUSGN-01 / BI-NUSGN-01

	BI-EUSGN-01	BI-NUSGN-01	
<b>INPUT FROM GRID</b>			
AC Current Input		200	A
AC Output Voltage (Nominal)		240	Vac
AC Output Voltage Range		211 - 264	Vac
AC Frequency (Nominal)		60	Hz
AC Frequency Range		59.3 - 60.5	Hz
Microgrid Interconnection Device Rated Current		200	A
Service Side AC Main Circuit Breaker Rated Current	200	N/A	A
Service Side AC Main Circuit Breaker Interrupt Current	10k	N/A	A
Grid Disconnection Switchover Time		<100	ms
<b>OUTPUT TO MAIN DISTRIBUTION PANEL</b>			
Maximum AC Current Output		200	A
AC L-L Output Voltage (Nominal)		240	Vac
AC L-L Output Voltage Range		211 - 264	Vac
AC Frequency (Nominal)		60	Hz
AC Frequency Range		59.3 - 60.5	Hz
Maximum Inverters AC Current Output in Backup Operation		78	A
Imbalance Compensation in Backup Operation		5000	W
AC L-N Output Voltage in Backup (Nominal)		120	V
AC L-N Output Voltage Range in Backup		105 - 132	V
AC Frequency Range in Backup		55 - 65	Hz
<b>INPUT FROM INVERTER</b>			
Number of Inverter Inputs		3	#
Rated AC Power		7,600	W
Maximum Continuous Input Current @ 240V		32	A
Rated AC Power in Continuous Backup Operation		6,100	W
Maximum Continuous Input Current in Backup Operation		26	A
Peak AC Power (<10 sec) in Backup Operation		7,000	W
Peak AC Current (<10 sec) in Backup Operation		30	A
Inverter Input AC Circuit Breaker		40	A
Upgradability		Up to 3 X 63A CB <sup>(1)</sup>	
<b>GENERATOR<sup>(2)</sup></b>			
Maximum Rated AC Power		15,000	W
Maximum Continuous Input Current		63	Adc
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	For main lug only	
Number of Communication Inputs		2	
Communication		RS485	
Energy Meter (for Import/Export)		1% accuracy	
Manual Control Over Microgrid Interconnection Device		Yes	

(1) Each 40A CB supports up to one 7.6kW inverter, with each 63A CB supporting one 10kW and one 11.4kW inverter. The CB upgrade kit is available with the following part numbers: for 40A CB, CB-UPG-40-01; for 63A, CB CB-UPG-63-01

(2) Requires supporting inverter firmware

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	BI-EUSGN-01	BI-NUSGN-01	
<b>STANDARD COMPLIANCE</b>			
Safety	UL1741, CSA 22.2 NO. 107		
	UL869A	N/A	
Emissions	FCC part 15 class B		
<b>INSTALLATION SPECIFICATIONS</b>			
Supported Inverters	StorEdge single phase inverter, Single phase Energy Hub inverter with Prism technology		
AC From Grid Conduit Size / AWG Range	2" conduits / #0 - 4/0 AWG		
AC Inverter Conduit Size / AWG Range	1" conduit / 14 - 4 AWG		
AC Generator Input Conduit Size / AWG Range	1" conduit / 8 - 3 AWG		
Communication Conduit Size / AWG Range	3/4" / 24 - 10 AWG		
Weight	73 / 33		lb / Kg
Cooling	Fan (user replaceable)		
Noise	< 50		dBA
Operating Temperature Range	-40 to +122 / -40 to +50		°F / °C
Protection Rating	NEMA 3R, IP44		
Dimensions (HxWxD)	20.59 x 13.88 x 8.62 / 523.5 x 352.5 x 219		in / mm

