

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
- Built-in Auto Transformer and Energy Meter for easier and faster installation
- Seamless integration with the StorEdge inverter to manage and monitor both PV generation and energy storage
- Generator connection support

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	BI-EUSGN-01	BI-NUSGN-01	
INPUT FROM GRID			
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
OUTPUT TO MAIN DISTRIBUTION PANEL			
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
INPUT FROM INVERTER			
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 40A CB ⁽¹⁾	
GENERATOR⁽²⁾			
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	
ADDITIONAL FEATURES			
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 an 7600W inverter; CB upgrade kit is available with the following part numbers: for 40A CB CB-UPG-40-01

⁽²⁾ Requires supporting inverter firmware

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STANDARD COMPLIANCE			
Safety	UL1741, CSA 22.2 NO. 107		
	UL869A	N/A	
Emissions	FCC part 15 class B		
INSTALLATION SPECIFICATIONS			
Supported Inverters	StorEdge single phase inverter, StorEdge single phase inverter with HD-Wave 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

