

Nrgx Series

Applications:

All Kinds of ADP Machine



Rack

3 Phase Input / 3Phase Output

Features :

- High Energy with Smaller Footprint
- Compact Design with Easy installation
- Suitable for Outdoor application
- LCD Touch screen for Monitoring
- DSP Based Microprocessor Control High Frequency Design
- Pure Sine Wave Output
- Wide Input Voltage Range
- Inbuilt Cold Start & EPO Feature
- High efficiency ESS
(AC-AC mode >98%, Battery mode >95%)
- Fast charging capability
- Auto-start Function
- Advanced Battery Management for Longer Battery life
- Li-ion / SMF Battery Compatibility
- Solar Input Compatible
- Smart Priority selection to PV/Grid/Battery (configurable)
- Generator Compatible
- IoT Compatible with Wifi/Bluetooth Monitoring

Model	BESS3320B8	BESS3340B16	BESS3360B8
Capacity	20kVA/15kW	45kVA/40kW	60kVA/60kW
INPUT			
Nominal Voltage	380V/400V/415V AC (3P+N+PE)		
Operating Voltage Range	184V~265V AC Per Phase		
Operating Frequency Range	50 / 60 Hz ± 10% (Auto Sensing)		
OUTPUT			
Output Voltage (Grid)	Same as Input Voltage 184V~265V AC Per Phase		
Output Voltage (Battery)	380V/400V/415V AC (3P+N+PE)		
Output Frequency	50/60 Hz ± 0.1 Hz Battery Mode		
Crest Factor	3:1		
Efficiency	>98% AC-AC Mode, >95% Battery Mode		
BATTERY			
Back-up time/ Capacity	2 Hours / 38.4kWh	2 Hours / 76.8kWh	2 Hours / 120.5kWh
DC Voltage/Charging Current	48V DC / Max. 300A (Configurable)	48V DC / Max. 900A (Configurable)	48V DC / Max. 1200A (Configurable)
PV INPUT			
Rated Power	22500 W	67500 W	90000 W
Maximum Voc	1000V DC		
MPPT Voltage Range	350V~900V DC		
Maximum PV current	26A + 26A	78A + 78A	104A + 104A
SYSTEM FEATURES			
LCD Indication	Input Voltage/Frequency, Output Voltage/Frequency, Battery Voltage, Load Watt/VA and %, Temperature, Operation Mode such as "On Grid", "ON Batt", On "PV", Battery, Load Bar graph, Mimic diagram & System fault Codes		
LED Indication	Grid Mode, PV Mode , Battery Mode and Fault Condition		
Alarms / Protection	Mains failure, Battery Low, DC High, Inverter Under/Over Voltage, Over Load, Short Circuit, Over Temperature and System Fault		
Overload Capability	>105% Continuous, <125% for 10min, <150% for 1 minute		
Transfer Time	6~10ms (Typically from Grid Mode to Battery Mode)		
ENVIRONMENTAL			
Temperature	-25 to 60°C (Power derating above 45°C)		
Humidity / Altitude	0~95% RH Non-condensing / <1500 M		
Noise / IP Protection	<55dBA / IP65 (Only PCS)		
STANDARDS			
Quality	ISO 9001, ISO 14001, ISO 27001, ISO 45001, ISO 50001, RoHS		
Safety / EMC / Performance	IEC/EN62040-1; IEC/EN62040-2; IEC/EN62040-3, Complying to CE		
PHYSICAL			
Dimension WxDxH (mm)	900 x 800 x 1200	2000 x 1000 x 1200	1800 x 1000 x 1600
Weight (Kg)	450	827	1696
COMMUNICATION INTERFACE			
Standard	RS232, USB, EPO, Parallel Port		
Optional	SNMP / Modbus / IoT / BPE Cyber / CAN / WI-FI		

*Conditions Apply

Specifications are subject to change without prior notice.

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