

Battery Energy Storage System

Nrgx Series

BESS65

Applications:

All Kinds of ADP Machine

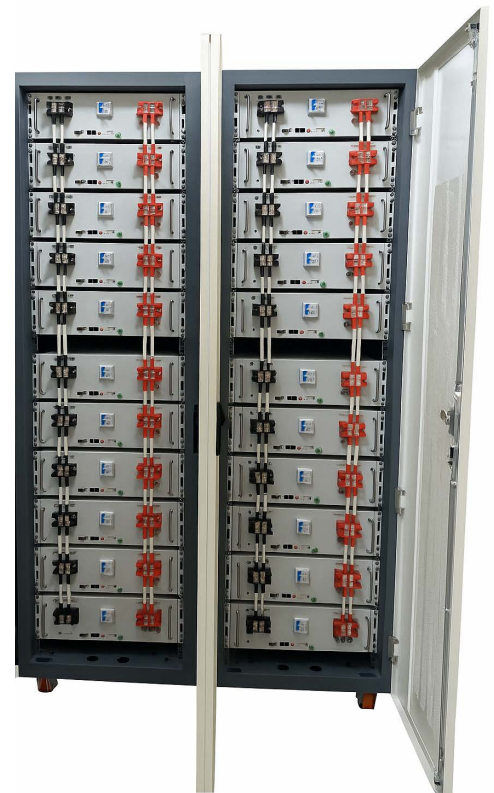
Features :

- 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 (1200A Charging Current)
- 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



PCS Rack

3 Phase Input / 3Phase Output



Li-ion Battery Bank

Model	BESS3365B24
Capacity	Safe Loading Capability Up to 65kVA/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 $\pm$ 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 $\pm$ 0.1 Hz Battery Mode
Crest Factor	3:1
Efficiency	>98% AC-AC Mode, >95% Battery Mode
BATTERY	
Back-up time/ Capacity	2 Hours / 115.2kWh
DC Voltage/Charging Current	48V DC / Max. 1200A (Configurable)
PV INPUT	
Rated Power	80000 W
Maximum Voc	1000V DC
MPPT Voltage Range	350V~900V DC
Maximum PV current	100A + 100A
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)	PCS Rack: 800 x 1200 x 1800; Battery Bank: 2 Racks of 580 x 800 x 2000
Weight (Kg)	PCS Rack: 325Kg; Battery Rack: 2 Racks of 445Kg
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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