

BSW12S3

BATTERY/ PV /WIND TURBINE/GRID



Microgrid System

BSW series hybrid energy genset is composed of photovoltaic, wind turbine, battery, etc. It's suitable for variable load, sudden load, long-term low power operation and other conditions, zero-emission, reducing the cost, protect the ecological environment. Mainly used in residential, small commercial, island power and other fields.

Product Features

- Smart energy management system
- AC/DC power conversion system
- PV charging system
- Wind turbine charging system
- LiFePO4 air-cooled battery pack
- RCD leakage protector
- Plug and play interface
- Super-silent structure
- Fire safety system

Certification Standards



- UN 38.3
- IEC 62619
- IEC 62477

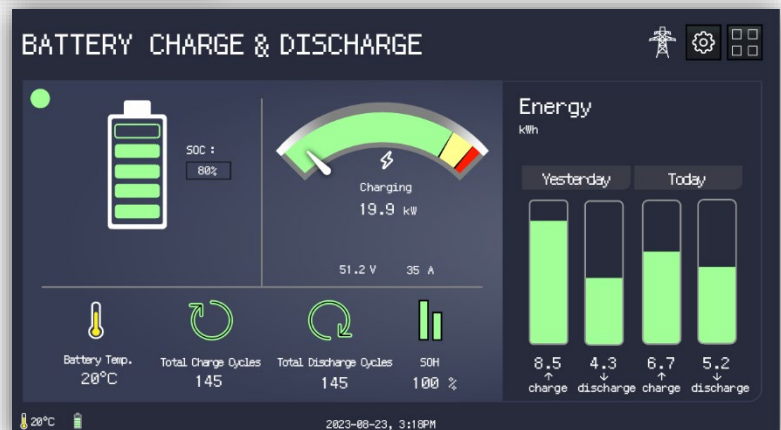
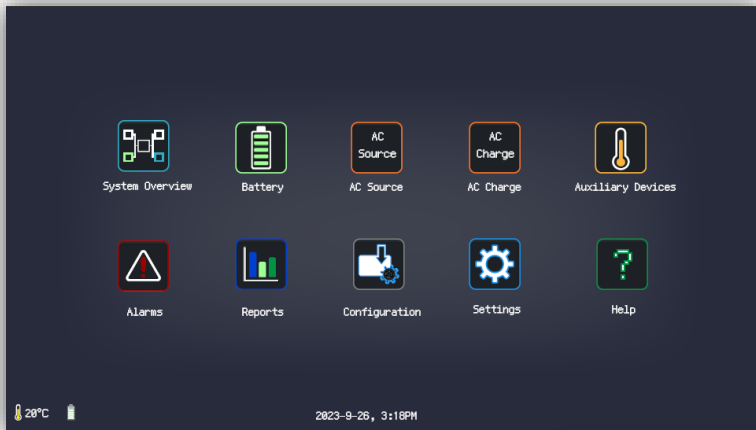


- IEC 62933-2-1
- CE Declaration of Conformity



- VDE-AR-N 4110
- EN-50549-1
- UL 1973

Intelligent Energy Management



BSW12S3 SPECIFICATION

BSW12S3 HYBRID ENERGY SYSTEM

Rated power (kVA/kW)	12/12		
Frequency (Hz)	50		
Phase(P)	3		
Power factor (PF)	1		
Noise level dBA@7m	50		
Voltage (AC V)	380	400	415
Current (A)	18	17	17

PV SYSTEM

MPPT rated power (kWp)	16
Rated voltage (DC V)	150-850
Solar panel voltage (DC V)	250
Solar panel capacity (kWp)	2.5

GRID INPUT

Rated power (kVA/kW)	12/12
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WIND TURBINE SYSTEM

Rated power (W)	2000
Output voltage (DC V)	48

BATTERY SYSTEM

Battery type	LiFePO4
Battery capacity (kWh)	20
Battery voltage (DC V)	40-60
Max charging rate	1C
Max discharging rate	1C
Recommended discharging rate	1C

LOGISTICS DATA

Dimensions (mm)	1500 x 1150 x 2000
Dry Weight (kg)	1100
40" Loading (Qty)	16

