XGW Tech

BESS-100KW/215KWh

CE MSDS UN38.3 ISO

Product Highlights

High Efciency

- Higher system efficiency.
- Wide AC Grid voltage range.
- Sigle battery string. No circular current. Saving battery capacity loose.

Safety& Reliability

- Full function of heat management, fault detection and protection.
- Inbuilt BMS, PCS, MPPT and EMS. Multiple levels of software & Hardware protection.
- Two level fire extinguisher system.

Flexible Application

- Modular Design, flexible configuration, small footprint.
- Power module supports “N+1"redundancy.
- All in One design. Easy Installation & maintenance.

Full Functiona

- Fast reaction of Active/Reactive power adiustment.
- STS Inbuilt Supporting On grid/ o ffgrid transfer without interrupted.
- Standard with EMS function. Peak saving, virtual enlargement, EPS, New Energy power absorptior.

Less Heat

- Liquid cooling.
- Liquid cooling battery compartment and equipment compartment, less heat.

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MODEL	XTP-BESS-100KW/215KWh-A-01
Battery Specification	
Battery type	LFP
Cell capacity	3.2V/280Ah
PACK config	1P20S
PACK Qty	12
Rated capacity	215KWh
Rated voltage	768V
Voltage range	600 - 876Vdc
Charge/Discharge rate	0.5C Rated
DOD	95%
Cooling system	Liquid Cooling
Fire fighting system	Two Level Protection，Standard：Aerosol+HFC-227ea，Optional：PERFLUORO
AC Specifications	
Rated voltage	400Vac
Voltage range	230 / 400Vac
Frequency range	50/60+2.5Hz (50/60Hz self-adaption)
Grid system	3P+N+PE
Isolation transformer	400Vac/100KVA
Rated power	100KW
Peak power	110KW
Rated current	144A
Over load capacity	⩽110% Continues Running⩽120%1Min
Power factor	-0.99 ~ +0.99
On grid THDI/THDV(Off grid)	<3%, Full load
STS module power capacity	150KW
Transfer time(On-off Grid)	⩽20ms
PV Specification	
Max. PV input voltage	1000V
Max. PV input power	110KW
No. of MPPT/String per MPPT	2/1
MPPT voltage range	345 - 900V
MPPT current	200A (100A/100A)
MPPT efficiency	98.8%
System Specification	
Temperature range	-25℃ ~ 65 ℃，＞45℃ power derating
Storage temperature	-40 ~ 75 ℃
Noice	<78 dB
Dimension W*D*H(mm)	2100*1250*2300
Weight(kg)	3650
IP class	IP54
Cooling type	Industry level Air Conditional*2PCS
EMS	**Manual Mode, Peak saving, virtual enlargement, New Energy power absorption, Anti-flow mode.** Support remcte management and control
Communication protocol	Modbus RTU, ModbUs TCP, IEC104, MQTT, Etc.
Communication port	RS485/RJ45/4G/WIFI/DIDO
Certificates	
	UN38.3, MSDS, CE-EMC, IEC62619