

Energy Storage System

BOW-G1000



PRODUCT INTRODUCE

- ◆ EMS and PCS integrated technology, prevent reverse current, dynamically adjusting power
- ◆ Battery Auxiliary power supply redundancy design, support black start function ,
- ◆ Passitive Balance Intelligent BMS, providing complete protection, can effectively extend cycle life of battery packs
- ◆ Lithium Iron Phosphate (LFP) Battery
- ◆ Using aerosol fire extinguishing devices
- ◆ Emergency stop button to quickly stop the system , Support for remote control

PRODUCT CERTIFICATES

SYSTEM:UN3536,IEC62477

BATTERY:UN38.3,IEC62619,IEC61000,IEC62040

PCS: VDE4105/4110, AS4777.2,CEI-16/21,G98, G99, NBR16149/NBR16150

Technical Data

Model

BOW-G1000

System Specification

AC Output/Input Power (KW)	500
AC Output Frequency and Voltage	50/60Hz; 400Vac
Grid Type	3W
THD	<3%
Power Factor	-1-+1
System Communication	ETH
Black Start	Yes
Fire Detection	Heat and smoke detection
Fire Alarm	Alarm panel, strobes and horns with UPS backup
Aux Load	15KW
Auxiliary Power Interface	400Vac, 3W+N+PE
Auxiliary Power Back Up	30min (important load)
Local Emergency Stop	Yes
Remote Stop/Shut-off	Yes

Battery Technical Specification

Energy Configuration (kWh)	1060
Battery Operating Voltage (V)	642 ~ 868
Battery Communication	CAN,RS485
Pack Configuration	1P14S (14Cells)
Rack Configuration	1P238S (17 Packs)
Stack Configuration	5*1P238S (5Racks)

Other Technical Specification

Dimension (L x W x H,mm)	6058*2438*2896 mm (238.50*95.98*114.02 in)
Weight Appr. (kg)	16500
IP Rating of Enclosure	IP54
Seismic Parameter	Zone 4
Noise @1m distance	≤ 75 dB
Operating Temperature Range (°C)	-20~60(>45°C derating)
Relative Humidity	≤95% (non condensing)
Certification	IEC62477,UN3536