

# Energy Storage System

## BOW-G1000-US



### PRODUCT INTRODUCE

EMS and PCS integrated technology, prevent reverse current, dynamically adjusting power

Battery Auxiliary power supply redundancy design, support black start function

Positive 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

<b>Model</b>	<b>BOW-G1000-US</b>
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<b>System Specification</b>	
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AC Output/Input Power (KW)	500
AC Output Frequency and Voltage	50/60Hz; 480Vac
Grid Type	3W
Backup AC Output Power (kW)	500KW (optional)
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	10KW
Auxiliary Power Interface (transformer inside)	380Vac, 3W+N+PE
Auxiliary Power Back Up	30min (important load)
Local Emergency Stop	Yes
Remote Stop/Shut-off	Yes

<b>Battery Technical Specification</b>	
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Energy Configuration (kWh)	1075
Battery Operating Voltage (V)	600 ~ 876
Battery Communication	CAN,RS485
Pack Configuration	1P16S (16Cells)
Rack Configuration	1P240S (15Packs)
Stack Configuration	5*1P240S (5Racks)

<b>Other Technical Specification</b>	
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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)