



GRIDSUN

51.2V 100Ah LITHIUM POWER BANK



KEY SALIENT FEATURES

- Introducing 1st time in Pakistan, wall mounted lithium battery along with large LCD display
- 24V 48V LiFePO4 pack, superior safety and reliability
- Top brand cell such as CATL or GOTION
- More than 6000 times charge/discharge cycle life
- Long lifespan: 6+ years warranty, 12-14 years life design
- With intelligent BMS system to optimize the performance
- Built-in intelligent BMS management system
- Built-in 12A cell equalizer, can balance all cells in short time
- Charge & discharge current is up to maximum 100A and the cold start impulse current is 1000A
- Excellent standby self-consumption as low as 4mA
- High density, small size and weight
- Wall mounted design, easy installation
- All around protection and unattended operation
- With multiple port of communication (CAN/RS485/RS232)
- Special design for off-grid/solar system/UPS/inverter/storage power system
- With intelligent low power consumption (as low as 4mA), automatically output cut off after 30 days no-charge & discharge (can activate output by manual operation)
- Environment friendly, pollution free, safe (lithium) battery bank
- Overall protection functions: over charge, over current protection, short circuit protection, over temperature protection
- Compliant with international battery safety standard IEC62619, MSDS & CE
- Compatible with Gridsun, Intex, Inverex, Voltronic Power, Crown, Sako, Next Power, Solis, Growatt, Sofar, Solax, Gos Power, Deye, SNE, Pylon, Tech, OlianGhuyluan, Sunray, Sorelye, Megarevo, Goodwe, MUST, Xindun (supported all kinds of inverters at least 90%)

Why need battery storage system?

High efficiency for your power distribution cut & save your electricity bills
 Electricity power occupies more than half of increasing energy consumption in this decade. DER (distributed energy resources) is crucial today during the COVID-19 pandemic while the conventional grid is less reliable because of the less manpower available.



GRIDSUN

MODELS	25.6V-100AH	51.2V-100AH
Battery Type	LiFePO4	
Normal Battery Voltage (VDC)	25.6V	51.2V
Normal Capacity (25°C, 0.2C) (WH)	2560WH	5120WH
Voltage Window (VDC)	22.4-28.8V	44.8-58.4V
Solar Charge Voltage (VDC)	27.6V	56.2V
Max. Continue Discharge Current (A)	100	100
Max. Pulse Discharge Current (A)	100A 30Sec.	100A 30Sec.
Max. Continue Charge Current (A)	100	100
Case Design	Powerwall Design	
Cycle Life (+25°C 0.2 80%DOD)	>8000 Cycles with 5 Years Warranty	
Cell Equalizer Current (A)	1-5A Max	
Terminal	MB	
Storage Temperature	0°C-30°C	
Storage Duration	3 months at 25°C	
Safety Standard	UN38.3, IEC62619, MSDS, CE	
IP Degree	IP54	
PROTECTION	Over Charge Protection, Over Discharge Protection, Over Current Protection, Short Circuit Protection, Over Temperature Protection	
AMBIENT		
Noise (dB)	<40dB (1 Meter)	
Working Temperature	-20°C ~ +55°C	
Humidity	0-95% (no condensation)	
Sea Level (m)	≤1500	
DIMENSION		
LxWxH (mm)	L370W380H170	L625W390H210
Weight (NW Kg)	27.0Kg	43.0Kg
Weight (GW Kg)	28.0Kg	49.0Kg



GRIDSUN

25.6V 100Ah LITHIUM POWER BANK



KEY SALIENT FEATURES

- Introducing 1st time in Pakistan, wall mounted lithium battery along with large LCD display
- 24V 48V LiFePO4 pack, superior safety and reliability
- Top brand cell such as CATL or GOTION
- More than 6000 times charge/discharge cycle life
- Long lifespan: 6+ years warranty, 12-14 years life design
- With intelligent BMS system to optimize the performance
- Built-in intelligent BMS management system
- Built-in 12A cell equalizer, can balance all cells in short time
- Charge & discharge current is up to maximum 100A and the cold start impulse current is 1000A
- Excellent standby self-consumption as low as 4mA
- High density, small size and weight
- Wall mounted design, easy installation
- All around protection and unattended operation
- With multiple port of communication (CAN/RS485/RS232)
- Special design for off-grid/solar system/UPS/inverter/storage power system
- With intelligent low power consumption (as low as 4mA), automatically output cut off after 30 days no-charge & discharge (can activate output by manual operation)
- Environment friendly, pollution free, safe (lithium) battery bank
- Overall protection functions: over charge, over current protection, short circuit protection, over temperature protection
- Compliant with international battery safety standard IEC62619, MSDS & CE
- Compatible with Gridsun, Intex, Inverex, Voltronic Power, Crown, Sako, Next Power, Solis, Growatt, Sofar, Solax, Gos Power, Deye, SNE, Pylon, Tech, OlianGhuyluan, Sunray, Sorelye, Megarevo, Goodwe, MUST, Xindun (supported all kinds of inverters at least 90%)

Why need battery storage system?

High efficiency for your power distribution cut & save your electricity bills
 Electricity power occupies more than half of increasing energy consumption in this decade. DER (distributed energy resources) is crucial today during the COVID-19 pandemic while the conventional grid is less reliable because of the less manpower available.



GRIDSUN

MODELS	25.6V-100AH	51.2V-100AH
Battery Type	LiFePO4	
Normal Battery Voltage (VDC)	25.6V	51.2V
Normal Capacity (25°C, 0.2C) (WH)	2560WH	5120WH
Voltage Window (VDC)	22.4-28.8V	44.8-58.4V
Solar Charge Voltage (VDC)	27.6V	56.2V
Max. Continue Discharge Current (A)	100	100
Max. Pulse Discharge Current (A)	100A 30Sec.	100A 30Sec.
Max. Continue Charge Current (A)	100	100
Case Design	Powerwall Design	
Cycle Life (+25°C 0.2 80%DOD)	>8000 Cycles with 5 Years Warranty	
Cell Equalizer Current (A)	1-5A Max	
Terminal	MB	
Storage Temperature	0°C-30°C	
Storage Duration	3 months at 25°C	
Safety Standard	UN38.3, IEC62619, MSDS, CE	
IP Degree	IP54	
PROTECTION	Over Charge Protection, Over Discharge Protection, Over Current Protection, Short Circuit Protection, Over Temperature Protection	
AMBIENT		
Noise (dB)	<40dB (1 Meter)	
Working Temperature	-20°C ~ +55°C	
Humidity	0-95% (no condensation)	
Sea Level (m)	≤1500	
DIMENSION		
LxWxH (mm)	L370W380H170	L625W390H210
Weight (NW Kg)	27.0Kg	43.0Kg
Weight (GW Kg)	28.0Kg	49.0Kg