

GBS Products

Location : Products

SEARCH

Single cells

Groups of cells
chargers

About GBS

Company
Staff charisma
Honor
Workshop

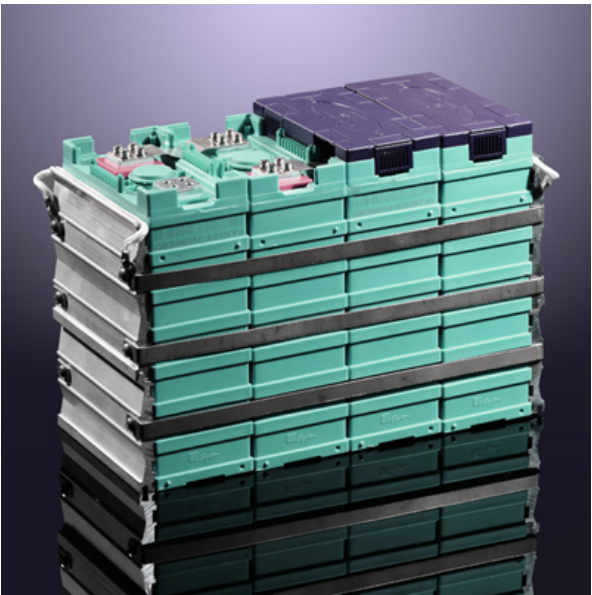
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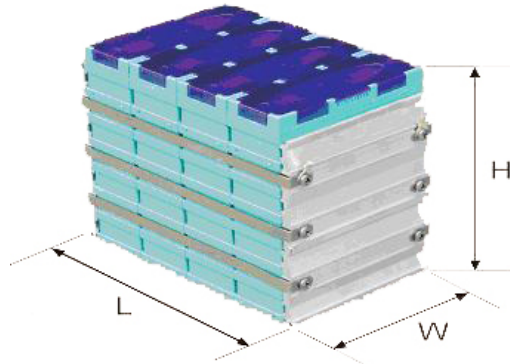


Name:GBS-12V60Ah
No.:
Description:

Item		Specification	Remark
Rated capacity		60Ah	0.2C rate discharge capacity
Minimum capacity		60Ah	
Internal impedance		≤6.0mΩ	
Nominal voltage		12V	
Cell weight		8.6kg±100g	
Standard discharge conditions	Constant current	30A	
	End-of-charge voltage	11.2V	
Standard charge method	Constant current	30A	
	Charge voltage	14.6V	
Fast charge method	Constant current	60A	
	Charge voltage	14.6V	
Max continuous discharge current		180A	

Cycle life		2000 cycles	80% DOD
Operating temperature	Charging ambient temperature	0~45°C	
	Discharging ambient temperature	-25~65°C	
	Storage temperature	0~45°C	
Appearance		Without break, distortion, contamination, leakage.	

Item	Description	Dimensions
L	Length	276mm
W	Width	126mm
H	Height	188mm



Basic Performance

- (1) Output with high efficiency: Standard discharge current is 0.3C-0.8C, instant impulse discharge current is 10C for 10 seconds.
- (2) Good performance under high temperature, it could work under 65°C temperature. The battery structure is safe and good.
- (3) Good performance under low temperature. discharge capacity decreases to over 78% under 0°C and discharge capacity decreases to over 70% under -20°C.
- (4) Good safety performance: When the pressure inside the battery is too large, the one-way safety valve will release gas and heat to make sure battery perform well. When the internal pressure reaches a certain level, the valve will be open immediately which can protect the battery from burning and explosion.
- (5) Good cycle life time, the discharge capacity is still over 80% after 2000 cycle times of single cell(80%DOD).
- (6) It can fast charging. It could be charged to 80% within 20 minutes and charged full with 2-3h.
- (7) Low cost.
- (8) No pollution during manufacture and usage.

Matters needing attention

- (1) Please check if spare parts are completed when open the package and read the operation manual carefully.
- (2) Do not make the battery Short Circuit, do not over charge and discharge.
- (3) Please charge the new battery to full capacity before discharge for the first use.
- (4) The battery pack is fixed with plate and strip before delivery, do not disassemble the plate and strip when using the battery.
- (5) Checking the voltage of battery, normally it is 12.8V-13.2V.
- (6) Fix BMS for battery pack and protect single cell to avoid over charge and over-discharge.
- (7) Rivet or screw is used for battery connector.
- (8) Please use copper part to connect battery packs and fix with hydraulic pressure plier. We could also provide the relevant connection which fixed with screws.
- (9) The charger used should be approved by our company in order to match with our lithium batteries.
- (10) It will shorten battery cycle lifetime and damage battery due to overcharge and over-discharge if not do according to the above. It won't be within our company warranty.

Requirement for safety assurance

For the sake of safety assurance, please discuss the equipment design, its system and protection circuit of Lithium-ion cell advance. And consult about the high rate current, rapid charge and special application in the same way.

Previous : GBS-12V40Ah

Next : GBS-12V100Ah

Related Products :



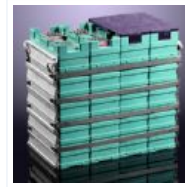
GBS-12V20A



GBS-12V40A



GBS-12V60A



GBS-12V100

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