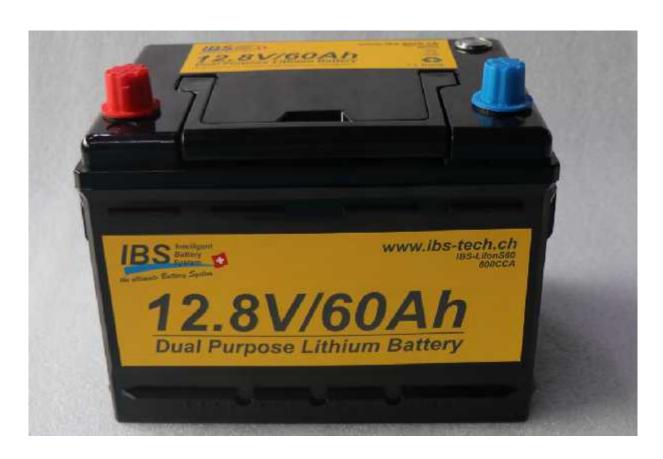


Specification Sheet

12.8V 60Ah

Dual Purpose

Deep Cycle and Starting Lithium (LiFePO4) Battery



Model DUAL1260

General Parameter

Battery Parameter			
Item	Parameter		
Rated power	12.8V (4S) 60Ah		
Energy	768Wh		
Standard charge voltage	14.6V		
Charge method	CC-CV		
Max charge current	60A		
Cut-off voltage	10V		
Continuous discharge current	100A		
Peak discharge current	180A @30s		
Starting current	800±50CCA		
Total weight	About 8.5kg		
Impedance (Max, at 1000Hz.)	<50mΩ		
Operation temperature range	Charge	0~60℃	
	Discharge	-20~60℃	
Storage environment	Temperature	10~45℃	
	Humidity	<=75%RH	
Cycle life	>=2500 cycles		
Self-discharge rate	<=3%/Month		
Battery dimension	L=230±2mm		
	W=175±2mm		
	H=183±2mm		

Battery Appearance & Dimension



Connector definition:

Item	Specification	
Positive and negative	SAE	
terminals		

Dimension:

Item	Dimension
Length	230mm
Width	175mm
Height	183mm

Performance & Test Condition

Project	Standard		Testing Method
Rated capacity	60Ah		After standard charge, discharge @0.2C current to the end of discharge voltage, cycles for three times. One cycle capacity arrive standard, that's to say it is qualified. (The below as the same)
Charging keep ability in normal temperature	Remain capacity standard capacity *97%		After standard charging, store at 25 ℃ ±5 ℃ for 1 month, and then discharge capacity @0.2C current to the end of discharge voltage, Then measure the capacity of cell.
Cycle life	Capacity Standard capacity *80%		After standard charge, discharge @0.2C current to the end of discharge voltage, rest for 1h, cycles for 2000 times.
Internal Impedance	<50mΩ		@50% SOC @1kHz AC internal resistance test instrument.
Discharge temperature characteristic @0.2C	-20°C (6h)	>=70%	Capacity @specified temperature/Capacity @25℃.
	0°C (6h)	>=90%	
	25°C (4h)	>=100%	
	55℃(4h)	>=97%	

Stora	ige & Transportation
Base	d on the character of cell, proper environment for transportation of LiFePO4 battery pack need to be
creat	ed to protect the battery.
) Durin	g transportation, 30%-50% SOC must be kept; Avoid short circuit, prevent the liquid from entering the
batte	ry pack or immersing in the liquid (such as water, oil, etc).
) Batte	ry should be kept at $0^\circ\!$
) Durin	g loading of battery, attention must be paid against dropping, turning over and serious stacking.
Warn	nings & Tips
In order to	prevent the battery leaking, getting hot and exploding, please pay attention to preventing measure ng:
WARNING	
) Neve	r throw the battery into water, keep it under dry, shady and cool circumstance when not use.
) Neve	r upside down the positive and negative.
) Neve	r connect the positive and negative of battery with metal.
) Neve	r ship or store the battery together with metal.
) Neve	r knock, throw or trample the battery.
) Neve	r cut through the battery with nail or other edge tool.
NOTICE !	
,	r use or keep the battery under the high temperature. Otherwise it will cause battery heat, get into fire e some function and reduce the life. The proposed temperature for long-term storage is 0-45 $^\circ\mathrm{C}$.
	r throw the battery into fire or heating machine to avoid fire, explosion and environment pollution; battery should be returned to the supplier and handled by the recycle station.
	r use the battery under strong static and strong magnetic field, otherwise it will destroy the protecting
) If batt	tery leaked, the electrolyte get into eyes, please don't knead, please wash eyes by water and send to
hospi	tal. Otherwise it will hurt eyes.
,	tery emit peculiar smell, heating, distortion or appear any unconventionality during using, storage or ging process, please take it out from device or charge and stop using.

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everything turns out to be normal.

Check the voltage of battery and relevant connectors before using the battery. It can't be used until

Prior to charging, fully check the insulation, physical condition and ageing status, since breakage and

ageing are never allowed; the pack voltage must not be less than 10V,if not, it's abnormal and that battery needs to be labeled. The user should contact our Customer Service Dept and It can't be charged until repaired by our staff.

- The battery should be stored in half SOC. It needs to be charged once if out of use for as long as half a year.
- Clean the dirty electrode, if any, with a clean dry cloth, or poor contact or operation failure may occur.
- If the battery pack is used in series or in parallel, it must be ensured that the battery pack has the same charge and the pressure difference is within 50mV.

*Any other items which are not covered in this specification shall be agreed by both parties.

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