

Portable Battery Training Profile
-- Bola Synergy Group



Battery Model I

1.28kwh portable energy storage system



Model No.
SP-PS4020B

Technical Parameters

| | | | |
|------------------------------|------------|---------------------------------------|--------------|
| Battery Category | | Li-ion Battery Lithium Iron phosphate | |
| Battery Capacity | | 1.28kwh | |
| Battery Type | | 12.8V100Ah | |
| Output | | | |
| Rated charge-discharge ratio | 1C | Peak charge-discharge ratio | 2C (30S) |
| Output Voltage | 12.8V | System Dimension (mm) | 255*165*210 |
| System Weight | 12kilogram | Capacity conversion rate | 99% |
| Operation temperature (°C) | 0°C ~ 60°C | Discharge temperature (°C) | -20°C ~ 60°C |
| Charging temperature (°C) | 0°C ~ 55°C | Cycle life | 2000 Cycles |

| AC Charge | | | |
|-------------|-------|-----------------|-------------|
| Max Voltage | 14.6V | Working Voltage | 10V ~ 14.4V |

| Others | |
|-----------------------|----------------------|
| Batteries Cell Models | IFP23140160 (LFP) |
| The Maximum Power | 1200W |
| Certification | CE、 Rohs、 UN38.3、 UL |

Instructions

12.8V Lithium Battery

Please follow and understand these instructions before using, failure to do so can cause the battery to fail. It is strictly prohibited to disassemble battery.

Inside the battery are electrolytes. These electrolytes can be a skin and eye irritant.

Don't touch battery directly if you see any liquid on the battery.

Do's and Don'ts

Do not cross the polarity of the battery.

Never plug the battery directly into 240V mains power.

Do not open the casing. Do not throw, squeeze, puncture, strike, contort, heat, burn, or disassemble battery.

Keep children and animals away from water. Battery operates best if kept above 12.8V.

Can connect in parallel up to 4 batteries. When connecting in parallel all batteries voltage must be the same before connection. When charging do not exceed 15V input.

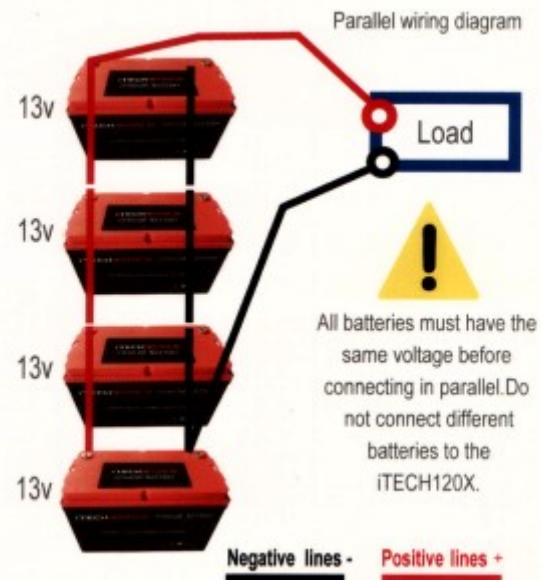
A battery charger with cut out of 14.7V and under is required.

Do not use this battery with lead acid battery of other brand battery.

Exposure to sunlight can increase discharge rate of battery. If battery shows any shape change, color change or any liquid seeping from battery terminal screws are corroded, be careful not to bend the terminals when tightening or loosening.

Do not short-circuit the battery by directly connecting the positive and negative terminals together or with metal conductive objects.

Do not transport the battery together with metal objects that are conductive. When connecting a load to a battery bank in parallel please follow the wiring diagram provided in this document.



Storing the battery when not using it Long-time storage in a hot or wet environment will damage the battery. The battery should be stored in dry and ventilated environment. The ideal storage temperature is below 25°C if stored this way it will extend the battery life. If the storage temperature surpasses 55°C, the battery can be damaged. When the battery is being stored for more than 50 days the preferred charge storage capacity should be between 70% and 80% this should be a reading of 13V. Putting a charge into the battery every three months will prolong the battery life.

WARNING

The battery should always be carefully handled.
Don't throw battery and avoid squeezing it,
i.e Do not pack heavy objects on top of the battery is robust
and should be able to handle light off-road bumps.
Ensure the battery is in a secure spot where it cannot be punctured.
Do not store battery with flammable, explosive goods or sharp metals.

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