

How safe is the lithium-ion power brick 12v-250ah battery?

The Lithium-Ion PowerBrick battery 12V-250Ah offers high level of safety through the use of cylindrical cells in Lithium Ferro Phosphate technology (LiFePO₄ or LFP). PowerBrick 12V-250Ah integrates an innovative Battery Management System (BMS) in its casing to ensure a very high level of safety in use.

What is a 12V 250ah battery?

This 12V 250Ah battery are develop to high efficiency energy output compared to lead acid batteries, the series battery can accept to 1C continuous charge/discharge current which can make the battery full-charged in one hours. Built-in high accurate LiFePO₄ production technology, which can extremely extend the cycle to 4000times@80%DOD.

Are powerbrick lithium batteries compatible with a 12v-250ah battery?

The electrical parameters of the PowerBrick lithium battery 12V-250Ah are compatible in all respects with those of an AGM lead battery of 12V. In the vast majority of cases, the charging system can be kept the same and no additional accessories are required to perform the replacement.

How does powerbrick 12v-250ah battery management system work?

PowerBrick 12V-250Ah integrates an innovative Battery Management System (BMS) in its casing to ensure a very high level of safety in use. The BMS constantly monitors and balances the battery cells to protect the battery and increase its life. The BMS also protects the battery from any misuse: deep discharge, high charging voltage, etc.

Can a lithium battery replace a lead-acid battery?

The PowerBrick range has been designed to replace lead-acid batteries advantageously, by offering a quadrupled energy density for an equivalent weight and size. Thanks to its technology, the lithium battery PowerBrick 12V-250Ah can be installed in any position (vertically, lying on the side or head down).

What is the voltage of a powerbrick lithium battery?

The PowerBrick Lithium battery 12V-250Ah has a nominal voltage of 12.8V. It can be easily assembled in series (up to 4 PowerBrick 12V in series, or 2 PowerBrick 24V in series) and in parallel (up to 16 PowerBrick in parallel). The battery is protected by a waterproof ABS case, splash and dust resistant (Protection index IP65).

Strongest 200A BMS (Battery Management System) to prevent from over charge, over discharge, over current, short circuit and ensure the long term use, with excellent low self-discharge rate. ...

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