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Rack lithium battery cabinets For UPS



The Lithium Battery pack consists of three parts: the battery cell, the protection plate and the casing.

The cells are composed of lithium battery packs, and the protection plate is to protect the charge and discharge of the series lithium battery packs; when fully charged, it can ensure that the voltage difference between the individual cells is less than the set value (generally $\pm 20\text{mV}$), so as to realize the uniform charging of each individual cell of the battery pack, which effectively improves the charging effect under the series charging method; at the same time, it detects the overvoltage, undervoltage, overcurrent, short circuit and overtemperature states of each individual cell in the battery pack to protect and prolong the service life of the battery; Undervoltage protection prevents the battery from being damaged due to overdischarge when discharging and using.

How to distinguish the quality of lithium battery packs?

- ◆ The higher the charge-discharge rate, the better.
- ◆ The more charge-discharge cycles the better.
- ◆ The smaller the internal resistance, the better. This parameter changes at any time with factors such as load weight and temperature. As the battery life decreases, the internal resistance is also gradually increasing.
- ◆ Battery consistency The higher the consistency of the battery produced by the same material and the same process in terms of capacity, internal resistance, and charge-discharge curve, the better.