
Base station battery pack weight

What makes a telecom battery pack compatible with a base station?

Compatibility and Installation Voltage Compatibility: 48V is the standard voltage for telecom base stations, so the battery pack's output voltage must align with base station equipment requirements. Modular Design: A modular structure simplifies installation, maintenance, and scalability.

How much does a battery pack weigh?

If we consider that the battery pack has 43.000 Wh capacity and each cell has 12,41 Wh (3,65 V x 3,4 Ah), it takes 3.465 cells. Each cell is around 45 g, this means that the 3.465 cells weigh 155,925 kg. Then add the connectors, cables, BMS (Battery Management System) and a case and it should surpass 200 kg for the whole battery pack.

Which battery is best for telecom base station backup power?

Among various battery technologies, Lithium Iron Phosphate (LiFePO4) batteries stand out as the ideal choice for telecom base station backup power due to their high safety, long lifespan, and excellent thermal stability.

What is a 48V 100Ah LiFePO4 battery pack?

Our 48V 100Ah LiFePO4 battery pack, designed specifically for telecom base stations, offers the following features: High Safety: Built with premium cells and an advanced BMS for stable and secure operation. Long Lifespan: Over 2,000 cycles, significantly reducing replacement and maintenance costs.

Battery Type: 51.2V 100Ah LiFePO4 Battery Pack Nominal Voltage: 51.2V Nominal Capacity: 100Ah Dimension: 530x440x132mm ...

LFP48V100Ah battery pack 4.8kWh Nominal capacity: 100Ah Nominal voltage: 48V Rated charge/discharge rate: 0.5C Communication: RS485/RS232 Cycle life: 3500 (80%DODM 80% ...

Portable Energy Storage System System Voltage: 409.6 V Battery Energy: 300 Wh Battery Type: LiFePO4 (Lithium Iron Phosphate) Weight: 280.5 kg Dimensions: 480 x 132 x 215; ...

What is a 48v battery? 48V Lithium-ion Battery Frame design, 19" standard cabinet installation, 48V base station, and 240V HVDC system The 48V rack-mounted Communication Lithium-ion ...

It base station lithium battery module has the characteristics of integration, miniaturization, light weight and intelligent centralized monitoring, and is widely used in communication base ...

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