

JK SMART BMS 8-20S 150A BD6A20S15P

SKU / Model: Not specified

PRODUCT OVERVIEW

Specification Details Brand JK Model BD6A20S15P BMS Type Smart BMS Series Range 8S 20S Rated Current 150A Battery Chemistry Lithium-Ion / NMC / LiFePO4* Cell Monitoring Yes Cell Balancing Active Balancing* Overcharge Protection Yes Over-Discharge Protection Yes Over-Current Protection Yes Short-Circuit Protection Yes Temperature Monitoring Yes* Smart Monitoring Yes Communication Model Dependent Bluetooth / App Model Dependent Applications EV, E-Bike, ESS, Solar, Robotics & Industrial

TECHNICAL SPECIFICATIONS

Chemistry: Lithium-Ion
Maximum / BMS Current: 150A
Product Category: JK BMS SMART

PRODUCT DESCRIPTION

JK SMART BMS 8-20S 150A BD6A20S15P The JK SMART BMS 8-20S 150A BD6A20S15P is a high-current Smart Battery Management System designed for 8S to 20S lithium battery packs. With a powerful 150A current rating, it is suitable for high-power applications where reliable battery protection, cell monitoring, and balancing are required. The JK Smart BMS is designed for compatible Lithium-Ion/NMC and LiFePO4 battery packs, depending on the exact chemistry-specific version. It is suitable for electric vehicles, electric motorcycles, high-power e-bikes, solar energy storage, ESS, industrial equipment, and custom lithium battery packs. Key Features Genuine JK Smart BMS Model: BD6A20S15P 8S 20S Series Compatibility 150A Rated Current Smart Battery Management System Individual Cell Voltage Monitoring Active Cell Balancing* Overcharge Protection Over-Discharge Protection Over-Current Protection Short-Circuit Protection Temperature Monitoring Smart Communication Functions* Suitable for High-Power Battery Packs Designed for EV & Energy Storage Applications Series Compatibility The JK BD6A20S15P supports battery configurations from 8S to 20S, including: 8S, 9S, 10S, 11S, 12S, 13S, 14S, 15S, 16S, 17S, 18S, 19S and 20S. The BMS must be correctly configured and connected according to the actual number of series cell groups in the battery pack. 150A High-Current Design With a 150A rated current, this JK Smart BMS is designed for higher-power battery applications. It can be suitable for battery systems requiring high discharge current, such as: High-power EVs Electric motorcycles High-performance e-bikes Electric scooters Industrial equipment High-power energy storage systems The actual continuous and peak current capability should always be matched to the battery cells, wiring, connectors, and application requirements. Active Cell Balancing The JK Smart BMS provides active cell balancing on compatible versions to help maintain voltage consistency between individual cell groups. Active balancing transfers energy between cell groups to help improve cell balance, battery performance, and usable capacity. Protection

PRODUCT DATASHEET

Functions The BMS helps protect the battery pack against: Overcharge Over-discharge Over-current Short circuit Abnormal cell voltage Temperature-related conditions, where supported Cell imbalance These protection functions help improve battery safety and operating reliability. Applications The JK 8-20S 150A Smart BMS is suitable for: Electric Vehicle Battery Packs Electric Motorcycle Batteries High-Power E-Bike Batteries Electric Scooter Batteries NMC Lithium-Ion Battery Packs LiFePO4 Battery Packs Solar Energy Storage High-Power ESS Industrial Battery Systems Robotics Custom OEM Battery Packs Advantages Wide 8S 20S compatibility Powerful 150A current rating Smart battery monitoring Active balancing capability* Multiple battery protection functions Suitable for high-power lithium battery packs Suitable for EV and ESS applications Smart communication capability* Suitable for custom battery manufacturing Ideal for high-current applications Package Includes 1 ×JK SMART BMS 8-20S 150A BD6A20S15P