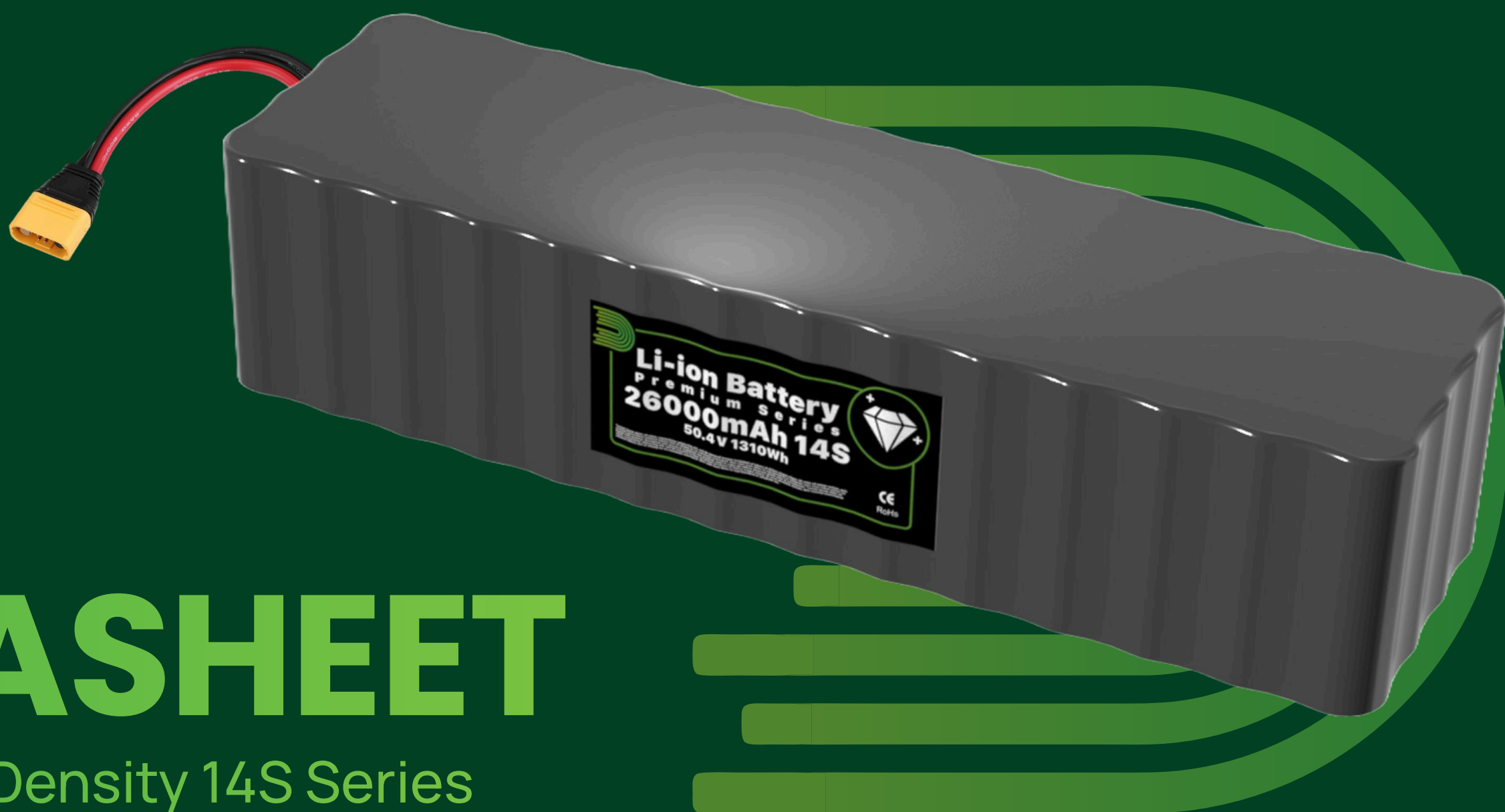




Premium Series

DATASHEET

Premium High Density 14S Series



PRODUCT OVERVIEW

The Premium High Density 14S Series is built for heavy-duty drones, VTOL UAVs and professional platforms requiring 60V-class systems for optimized power-to-weight and efficiency. This series uses advanced high energy cells (Amprius SA17 & Molicel M65A), pushing boundaries on endurance, payload capacity, and mission distances.

APPLICATIONS



Commercial Drones

Agriculture, Cargo, Missions, Tactical



Robotics

Warehouse, Cargo, Missions, Tactical

CONNECTORS

For models with Smart BMS:

- **AS150U** Connector (Power + Communication)

For models without Smart BMS, providing cell balancing capability:

- **XT90** Connector (Power)
- **Molex Micro-Fit 16-pin** Connector (Balancing)

PROTECTION FEATURES

Overcharge Protection
Over-discharge Protection
Overcurrent Protection
Short Circuit Protection
Temperature Monitoring and Protection

COMMUNICATION INTERFACES

CANBUS
RS485
UART

ADDITIONAL FEATURES

State of Charge (SOC) Estimation
Cell Balancing
Remote Monitoring Capability

** The above features apply only for battery models with smart BMS.