

Features

Fuel Gauge and Protector:

Integrates accurate State-Of-Charge (SOC) and State-Of-Health (SOH) calculations.

Employs comprehensive battery monitoring and protection functionalities.

High Current Capacity:

The 30A version utilizes the Power MOSFET, capable of handling up to 30A continuous current.

Multiple Protections:

Overcurrent (Charge and Discharge)

Overvoltage and Undervoltage

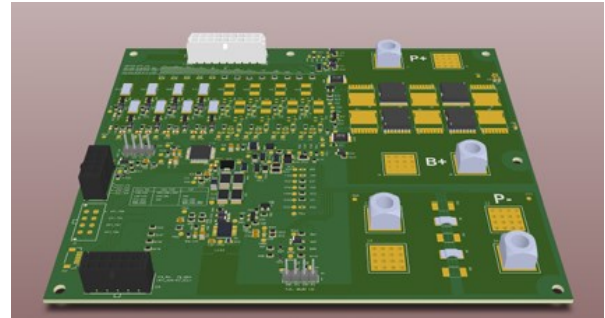
Overtemperature and Under-temperature

Short-Circuit Protection

External Thermistors: Supports up to 4 external thermistors for cell temperature monitoring.

Internal Thermistors: Includes an internal thermistor (RT1) for FET temperature monitoring.

Compact Design: Suitable for space-constrained applications.



Our system is built on a foundation of precision, safety, and reliability, ensuring your battery operates at its peak potential.



"Your Trusted Partner for Battery Management Solutions"

Benefits:

Enhanced Battery Lifespan:

Precise voltage monitoring and protection mechanisms extend battery life.

Improved Safety:

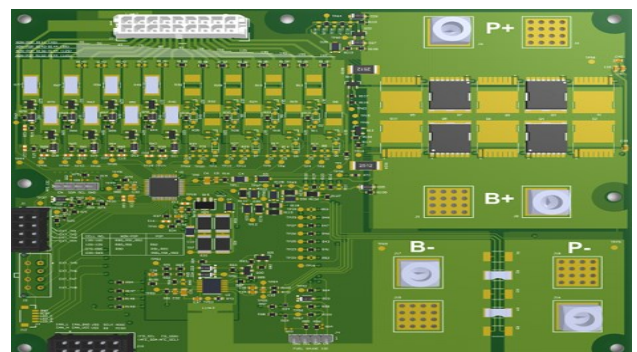
Multiple safety features safeguard against overcharging, over-discharging, overcurrent, and short circuits.

Increased Efficiency:

Optimized current handling and protection minimize energy loss.

Adaptability:

Programmable parameters allow customization to specific battery pack requirements.



Parameter	Value	Unit
Max Discharge Current	30	A
Cell Voltage Range	2.5 - 4.2	V
Pack Voltage Range	20 - 33.6	V
Overcharge Protection Voltage	4.15	V
Over-discharge Protection Voltage	2.55	V
Overcurrent Protection Current	Programmable (max	A
Overtemperature Protection Temp	60	°C
Short-Circuit Discharge Threshold	BQ76952 programmable	mV

Contact Us

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