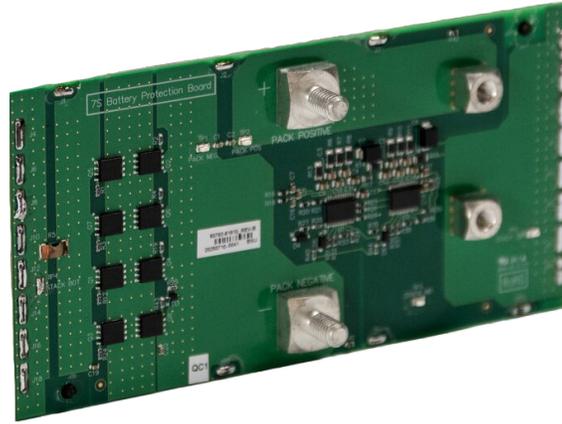




Re:Build BMS Protection Circuit

MODEL NO: RBBS-BMS-7S4P-24V



KEY FEATURES

Overvoltage, undervoltage, and overcurrent protection

Over/under temperature protection for charge and discharge

Open-wire detection for improved system safety

Compact design suitable for modular pack integration

Optimized for 24 V lithium-ion systems

APPLICATIONS

Industrial Electrification Systems

Energy Storage Systems (ESS)

Unmanned & Autonomous Systems

Defense & Aerospace Power Systems

Battery Module Prototyping and Testing

TECHNICAL DATA

System Type	Protection-only (no active balancing)
-------------	---------------------------------------

Dimensions	6.1 x 3 x .25 in (157 x 78 x 6.35 mm)
------------	---------------------------------------

Weight	
--------	--

Overcurrent Trip Level	46 A
------------------------	------

Overvoltage Protection	4.20V ± 0.05V per cell
------------------------	------------------------

Undervoltage Protection	2.90V ± 0.05V per cell
-------------------------	------------------------

Over/Under Temperature Protection	
-----------------------------------	--

Charge	0°C to +45°C
--------	--------------

Discharge	-10°C to +65°C
-----------	----------------

Open-Wire Deection	Enabled
--------------------	---------

Balance Function	None (protection-only board)
------------------	------------------------------

Operating Temperature Range	-10°C to +65°C
-----------------------------	----------------

Nominal Operating Voltage Range	20.3V – 29.4V
---------------------------------	---------------

Safety Notes: This BMS provides protection functions only and does not perform active cell balancing or monitoring. System-level voltage management must be handled by the charger or host control system.

Disclaimer: Re:Build Battery Solutions is not liable for damages arising from use or misuse of this information. Specifications are for descriptive purposes only and subject to change without notice. Testing and validation under actual operating conditions are the responsibility of the end user.