

R SERIES LITHIUM BATTERY

Lithium Battery Module ▼

Tailored for motorhome and caravan applications, the TBB R series battery delivers a chassis battery solution to meet the challenge of more and more lithium battery installation on board, which guarantees user safety and saves precious installation space.



Key Features

01 Reliable Protection, Remarkable Outdoor Performance

IP67 & IP69K protection design ensures the normal performance of lithium batteries, especially under severe outdoor environments and high-pressure washing.

02 Separated Placement, Enhanced Security

The chassis battery isolated the battery from the cabin area, improving the camper's safety.

03 Chassis-Mounted Design, Space Saving

The chassis-mounted battery considerably lowers the center of gravity of the motorhome, increasing stability and saving precious space for storage.

04 Built-in Heater, Worries-Free Winter

The built-in heater element automatically heats the battery in low-temperature charging, which greatly improves the performance and life cycle of the battery in freezing weather.

05 Built-in QuickRig Connector, Safe & Convenient

Conveniently plug-and-play, built-in IP67 QuickRig Connector ensures reliable contact against vibration, enhancing the stability and safety of outdoor vehicles.

Model NO.	RL5	RS5	RS15
Cell type	LiFePO4		
Cell specification	3.2V 105Ah		3.2V 150Ah
Rated capacity	420Ah	105Ah	300Ah
Rated power	5.376kWh		15.36kWh
Rated voltage	12.8VDC (4 Cell)	51.2VDC (16 Cell)	
Charging voltage	14.2VDC	56.8VDC	
Maximum charging current	200A	100A	200A
Continuous discharge current	200A	100A	200A
Maximum discharge current	300A (10minutes)	150A	200A
Cell operating temperature (charging)	2°C~63°C		
Cell operating temperature (discharging)	-30°C~63°C		
Storage temperature range (<1 month)	-20°C~45°C, 20%~80% SOC, <65% RH		
Storage temperature range (<6 month)	-20°C~35°C, 20%~80% SOC, <65% RH		
Operating humidity range	10%~90% RH		
Weight	47 kg	47.5 kg	118 kg
IP protection	IP67		
Certifications	UL, CE, IEC62619, UN38.3		
Shipping class	UN3480		
Cycle life	3000 (0.5C charging, 0.5C discharging, DOD 100%, @25°C)		
Heating element	Yes		
Dimensions	560*360*230mm		1040*430*230mm
Product picture			
Power connector	TBB HV210S, 4pcs		TBB HV210S, 2pcs