ROVON POWER

rove on, power on

RoveRack

RACK-MOUNTED LFP BATTERY

RV-RL-4.8 / 9.6 / 5.12 / 10.24

Reliable and flexible energy storage
for residential and commercial applications.



4.8-10.24 kWh	48-51.2 V	100-200 Ah	6000
Energy Range	Nominal Voltage	Capacity Range	Cycle Life*

* 6000 cycles at 80% DOD, 0.5C.

Modular Design
Flexible configuration for diverse needs.

High Safety
LFP chemistry with BMS protection.

Wide Compatibility
Supports common inverters and systems.

Reliable Performance
Stable and long-lasting power supply.

RoveRack

TECHNICAL SPECIFICATIONS

RV-RL-4.8 / 9.6 / 5.12 / 10.24



Black rack-mounted battery pack

MODEL	RV-RL-4.8	RV-RL-9.6	RV-RL-5.12	RV-RL-10.24
Electrical Characteristics				
Rated Voltage (Vdc)	48		51.2	
Cell Combination	15S1P	15S2P	16S1P	16S2P
Rated Capacity (Ah)	100	200	100	200
Energy Storage (kWh)	4.8	9.6	5.12	10.24
Cycle Life	6000 cycles @80% DOD, 0.5C			
Charge / Discharge Standard				
Charge Voltage (V)	52.5		56	
Max. Charge Current (A)	100 (Optional 150/200A for 200AH pack)			
Max. Discharge Current (A)	100 (Optional 150/200A for 200AH pack)			
Discharge Cut-off Voltage (VDC)	40.5		43.2	
Charge Cut-off Voltage (VDC)	54.75		58.4	
Environment				
Charge Temperature	0°C to 55°C @60±25% Relative Humidity			
Discharge Temperature	-20°C to 55°C @60±25% Relative Humidity			
Storage Temperature	-20°C to 55°C @60±25% Relative Humidity			
Mechanical				
IP Class	IP20			
Material System	LiFePO4			
Case Material	Metal			
Case Type	Rack Mount			
Pack Dimension L x W x H (mm)	480 x 483 x 133 (3U)	680 x 442 x 178 (4U)	480 x 483 x 133 (3U)	680 x 483 x 178 (4U)
Package Dimension L x W x H (mm)	580 x 530 x 210	850 x 570 x 285	580 x 530 x 210	850 x 570 x 285
Net Weight (kg)	42	84	44	88
Gross Weight (kg)	47	93	49	97
Communication				
Protocol (Optional)	Canbus/RS485/RS232			
Certificates				
Pack	UN38.3, MSDS	UN38.3, MSDS	IEC62619, CE, UL1973	UN38.3, MSDS, CE
Cell	UN38.3, MSDS, IEC62619, CE, UL1973			