ROVON POWER

rove on, power on

RoveRack

RACK-MOUNTED LFP BATTERY

RV-RL-14 / 16

Reliable and flexible energy storage
for residential and commercial applications.



14.3-16.1 kWh	51.2 V	280-314 Ah	≥6000
Energy Range	Nominal Voltage	Capacity Range	Cycle Life*

* ≥6000 cycles at 25°C.

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-14 / 16



Black rack-mounted battery pack

MODEL	RV-RL-14	RV-RL-16
Electrical Characteristics		
Rated Voltage (V)	51.2	
Rated Capacity (Ah)	280	314
Nominal Energy (kWh)	14.336	16.0768
Usable Energy (kWh)	12.9024	14.46912
Depth of Discharge (DOD)	90%	
Cycle Life	≥6000 cycles @25°C	
C-Rate	0.5C	
Design Life	10 years+	
Electrical Design Redundancy	>20%	
Charge / Discharge Standard		
Discharge Voltage (V)	45.6	
Charge Voltage (V)	56.8	
Recommended Charge / Discharge Current (A)	140	157
Max. Charge / Discharge Current (A)	200 (3 s)	
Operating Conditions		
Operating Temperature	0°C to 40°C	
Storage Temperature	-20°C to 70°C	
Humidity	15%-80%	
Mechanical		
Dimensions W x D x H (mm)	437 x 875 x 239	
Weight (kg)	110	
Cooling Method	Air Cooling	
Communication		
Communication Interface	RS485/CAN/Bluetooth (Optional)	
Certificates		
Certification	CE/UN38.3/MSDS	