ROVON POWER

rove on, power on

RoveStack

STACKABLE HV LFP BATTERY

RV-SH-7.68 / 10.24 / 12.8 / 15.36

Flexible energy storage
for growing home demands.



7.68-15.36 kWh	153.6-307.2 V	>6000	16 Units
Energy Range	Nominal Voltage	Cycle Life*	Parallel Expansion

* >6000 cycles at 25°C (77°F), 80% DOD.

Modular Design
3-6 battery modules
Flexible energy options.

Intelligent BMS
Battery management
for reliable operation.

Easy Integration
CAN / RS485
Hybrid inverter support.

Simple Installation
Floor-standing design
with modular stacking.

RoveStack

TECHNICAL SPECIFICATIONS

RV-SH-7.68 / 10.24 / 12.8 / 15.36



Modular high-voltage system

MODEL	RV-SH-7.68	RV-SH-10.24	RV-SH-12.8	RV-SH-15.36
Electrical Characteristics				
Nominal Energy (kWh)	7.68	10.24	12.8	15.36
Nominal Voltage (V)	153.6	204.8	256.0	307.2
Battery Modules	3	4	5	6
Cell Matching	48S1P	64S1P	80S1P	96S1P
Battery Type	LiFePO4 (LFP)			
Cycle Life*	>6000 cycles (80% DOD)			
Module Self-discharge	≤3.5% / month at 25°C			
Charge / Discharge				
Working Voltage Range (V)	136.8-172.81	182.4-230.4	228-288	273.6-345.6
Nominal Working Current (A)	50			
Peak Charge / Discharge Current	63 A (25°C, 5 s)			
Environment				
Charge Temperature	0°C to 45°C			
Discharge Temperature	-10°C to 50°C			
IP Rating	IP55			
Mechanical				
Dimensions W x D x H (mm)	550 x 430 x 697.5	550 x 430 x 826.5	550 x 430 x 955.5	550 x 430 x 1084.5
Weight (kg)	115	145	175	205
Installation Method	Floor-standing			
Communication & Expansion				
Communication Port	CAN / RS485			
Module Series Connection	3S-6S			
Parallel Connection	16 units in parallel			

* Cycle life tested at 25°C (77°F), 80% DOD.

MODULAR CONFIGURATIONS



RV-SH-7.68
7.68 kWh / 3 modules



RV-SH-10.24
10.24 kWh / 4 modules



RV-SH-12.8
12.8 kWh / 5 modules



RV-SH-15.36
15.36 kWh / 6 modules