

Low Voltage Rack Design

R1-LV-4.8~14.33kWh Series



Model	R1-LV-4.8	R1-LV-9.6	R1-LV-5.12	R1-LV-10.24	R1-LV-14.33
Rated Voltage (Vdc)	48V		51.2V		
Cell Combination	15S1P	15S2P	16S1P	16S2P	16S1P
Rated Capacity(AH)	100	200	100	200	280
Energy Storage (KWH)	4.8	9.6	5.12	10.24	14.33
Cycle Life	6000 Cycles @80% DOD, 0.5C				
Charging Voltage(V)	52.5		56		
Maximum Charging Current (A)	100 (Option 150/200A for 200AH Pack)				
Maximum Discharge Current (A)	100 (Option 150/200A for 200AH Pack)				
Discharge Cut-off Voltage (VDC)	40.5		43.2		
Charge Cut-off Voltage (VDC)	54.75		58.4		
Ignition Temperature	0°C to 50°C@60±25% Relative Humidity				
Exhaust gas Temperature	-20°C to 50°C@60±25% Relative Humidity				
Storage Temperature	-20°C to 50°C@60±25% Relative Humidity				
IP Class	IP20				
Material System	Lithium Iron Phosphate				
Shell Material	Metal				
Install Type	Rack				
Packing size L*W*H (mm)	480*442*133(3U)	680*442*178(4U)	480*442*133(3U)	680*442*178(4U)	780*442*223(5U)
Net Weight(kg)	42	84	44	88	128
Communication	CAN/RS485/RS232				
Certificate	UN38.3 , MSDS, IEC62619, CE, UL1973, UL2054				



High Specific Energy

Each Battery with Independent BMS System Manages Power Output Smartly



Support Parallel Operation

Compatible with most of the Available Hybrid Inverters



Easy Installation

Plug in Batteries then Working, easy to Install and set up



Long Cycle Life

6000 Cycles with 80% DOD,High-Quality Prismatic Battery cell



Smart Monitoring

Monitoring Website Easy to Monitor Products at Anytime Anywhere



Intelligent

Each Battery with Independent BMS System Manages Power Output Smartly