

## Rosen 48V/51.2V 100Ah-200Ah

### Energy Storage Rack Mount Lithium Battery



#### Flexible Capacity

Maximum 14\*4.8kwh / Maximum 14\*5.12kwh  
 Maximum 14\*9.6kwh / Maximum 14\*10.24kwh



#### Wide Compatibility

Matching with leading inverters



#### High Safety

LFP & smart BMS



#### Ultimate Use Experience

-20 °C to +55°C Operating Temperature Operating Temperature  
 Super Quiet Operation  
 Long cycle life and superior performance



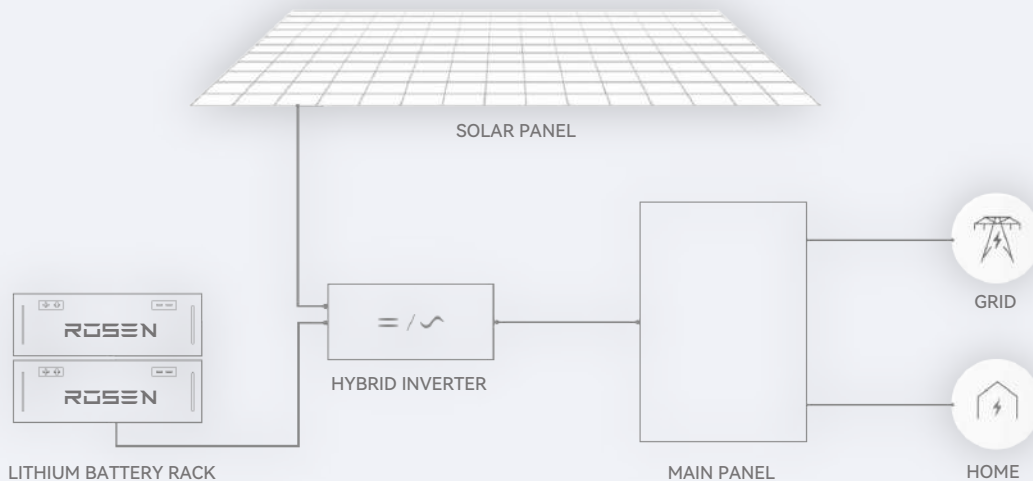
#### Easy Installation

Rack-mounted



#### APP Monitoring

Real-time monitoring  
 & Remote upgrade available



# Technical Specification

# ROSEN

Module	48V 100AH	48V 200AH	51.2V 100AH	51.2V 200AH
Battery Cell	3.2V 100AH, Prismatic, LiFePo4			
Nominal capacity	100Ah	200Ah	100Ah	200Ah
Total energy	4.8KWh	9.6KWh	5.12KWh	10.24KWh
Nominal voltage	48Vdc	48Vdc	51.2Vdc	51.2Vdc
Cell compose method	15S1P	15S2P	16S1P	16S2P
End of discharge voltage	42V	42V	44.8V	44.8V
Charging voltage	52.5~54.75V	52.5~54.75V	56~58.4V	56~58.4V
Max. charging current	100A <sub>dc</sub>	100A <sub>dc</sub>	100A <sub>dc</sub>	100A <sub>dc</sub>
Max. discharging current	100A <sub>dc</sub>	200A <sub>dc</sub>	100A <sub>dc</sub>	200A <sub>dc</sub>
Max. power	4800W	9600W	5120W	10240W
Peak Power Discharge Current	100A(15s)	200A(15s)	100A(15s)	200A(15s)
Recommended Depth of Discharge	90%			
Communication interface	CAN and RS485			
BMS parallel supports	Yes, Max. 14units			
Cooling method	Natural cooling			
Dimension	483*480*178mm	483*680*178mm	483*480*178mm	483*680*178mm
Net Weight	46Kgs	83Kgs	49Kgs	87Kgs
Cycle life (80% DOD, 25°C)	≥6000 times			
Charging Temp. Range	-5°C~55°C			
Discharging Temp. Range	-20°C~55°C			
Humidity	5% ~ 95%(RH) No Condensation			
Protection	Over voltage, Low voltage, Over current, Over temperature, Low temperature, Short circuit.			
Warranty	10 years			

