

Rosen 51.2V 280Ah-300Ah

Energy Storage Mobile Lithium Battery



Flexible Capacity
Maximum 14*14.336kwh
Maximum 14*15.360kwh



Wide Compatibility
Matching with leading inverters



High Safety
LFP & smart BMS



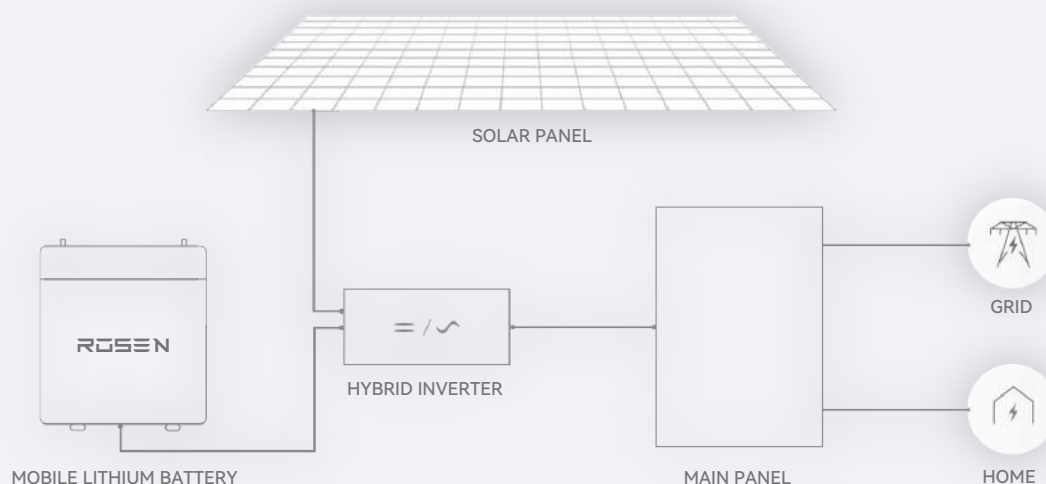
Ultimate Use Experience
-20 °C to +55°C Operating Temperature
Super Quiet Operation
Long cycle life and superior performance



Fast Installation
Plug & Play battery interface



APP Monitoring
Real-time monitoring
& Remote upgrade available



Technical Specification

ROSEN

Module	51.2V 280AH	51.2V 300AH
Battery Cell	3.2V 280AH, Prismatic, LiFePo4	3.2V 304AH, Prismatic, LiFePo4
Nominal capacity	280Ah	304Ah
Total energy	14.336KWh	15.56KWh
Nominal voltage	51.2Vdc	51.2Vdc
Cell compose method	16S1P	16S1P
End of discharge voltage	43.2V	43.2V
Charging voltage	56~58.4V	56~58.4V
Max. charging current	200Adc	200Adc
Max. discharging current	200Adc	200Adc
Max. power	10240W	10240W
Peak Power Discharge Current	280A(15s)	300A(15s)
Recommended Depth of Discharge	90%	
Communication interface	CAN and RS485	
BMS parallel supports	Yes, Max. 14units	
Cooling method	Natural cooling	
Dimension	780*500*240mm	780*500*240mm
Net Weight	115Kgs	115Kgs
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	

