

Rosen 51.2V 280AH-300AH

Energy Storage Rack Mount Lithium Battery



Flexible Capacity

Maximum 14*33kwh / Maximum 15.36kwh



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



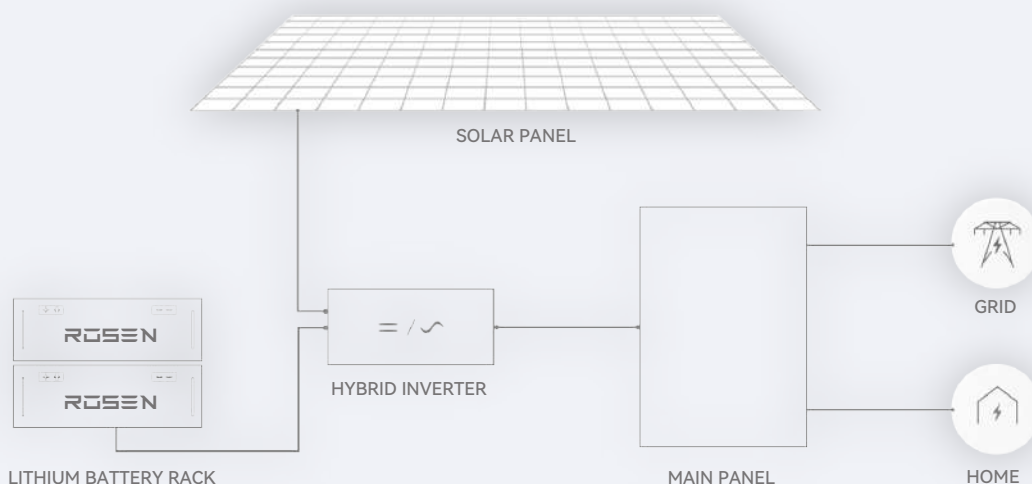
Easy Installation

Rack-mounted



APP Monitoring

Real-time monitoring
& Remote upgrade available



Technical Specification

ROSEN

Module	51.2V 280AH	51.2V 300AH
Electrical Characteristics		
Rate voltage(Vdc)	51.2	51.2
Cell combination(S1P)	16S1P	16S1P
Rate capacity(AH)	280	300
Energy storage(KWH)	14.33	15.36
Cycle life	25±2℃, 0.5C/0.5C, EOL70%≥6000	
Charge/Discharge Standard		
Charge voltage(V)	56	
Max. charge current(A)	100 (Optional 150/200A for 200AH pack)	
Max. discharge current(A)	100 (Optional 150/200A for 200AH pack)	
Discharge cut-off voltage(VDC)	43.2	
Charge cut-off voltage(VDC)	58.4	
Enviorment		
Charge temperature	0℃ to 55℃@60±25% Relative Humidity	
Discharge temperature	-20℃ to 55℃@60±25% Relative Humidity	
Storage temperature	-20℃ to 55℃@60±25% Relative Humidity	
Mechanical		
IP class	IP20	
Material system	LiFePO4	
Pack dimension L*W*H(mm)	780*430*230	
Net weight(kg)	116	
Communication		
Protocol(Optional)	Canbus/RS485/RS232	

