

ProStor RA2-64-280-HV

Rack-type LiFePO4 Energy Storage Battery System
72-280kWh



Highlights



Eco-Friendly

The whole module is non-toxic, non-polluting and environmentally friendly



Perfect Compatibility

Compatible to most inverter brands on the market, such as Growatt, Deye, Solis, Megarevo etc;



Easy Installation

Easy to install and adaptable to any installation angle



Flexible Configuration

Multi clusters in parallel for expanding capacity and power to MW



Smart Management

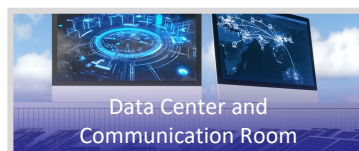
BMS can automatically manage charge & discharge state and balance current and voltage of each cell



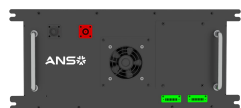
Remote Monitoring

Smart APP for monitoring and set-up, check working status of battery system anytime, anywhere

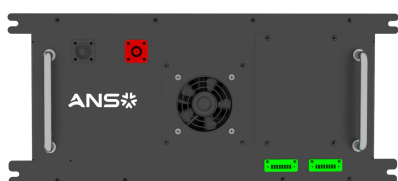
Application Scenarios



Capacity	72kWh	90kWh	108kWh	125kWh	143kWh	161kWh	179kWh	197kWh	215kWh	233kWh
Battery Module										
Module nominal voltage (V)	64V									
Module Capacity(Ah)	280Ah									
Battery Cluster										
Configuration	4modules + 1BPU	5modules + 1BPU	6modules + 1BPU	7modules + 1BPU	8modules + 1BPU	9modules + 1BPU	10modules + 1BPU	11modules + 1BPU	12modules + 1BPU	13modules + 1BPU
System nominal voltage (V)	71.68	89.6	107.52	125.44	143.36	161.28	179.2	197.12	215.04	232.96
System operating voltage (V)	256	320	384	448	512	576	640	704	768	832
System energy (kWh)	216-288	270-360	324-432	378-504	432-576	486-648	540-720	594-792	648-864	702-936
Max Charge/Discharge Current (A)	140									
Parallel Scalability	Up to 4 clusters in parallel									
Communication	RS485(B)-BAT/RS485(A)-PC/Canbus-inverter									
Cycle Life	≥6000 times @80% DOD, 25°C, 0.5C									
Design Life (years)	≥15 (25°C)									
Operation Temperature (°C)	Charge: 0-50; Discharge: -20-50									
Storage temperature (°C)	0°C~35°C									
Recommend depth of discharge	90%									
Altitude (m)	≤2000									
Humidity	< 95% (Non-condensing)									
Weight (kg)	590	728	865	1003	1160	1278	1435	1553	1710	1828
Dimensions W*D*H (mm)	550*937*1450	550*937*1700	550*937*1960	550*937*2210	1100*937*1450	1100*937*1450	1100*937*1710	1100*937*1710	1100*937*1960	1100*937*1960
Certificates	UN38.3/MSDS/ROHS/CE/IEC									



Battery Module



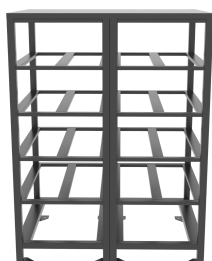
Battery Module	64V 280Ah
Capacity	17.92kWh
Battery Cell	3.2V 280Ah
Cell Quantity in Series(pcs)	20s
Charge Voltage(Vdc)	73V
Efficiency	98%
Depth of Discharge	90%
Dimension(W*D*H, mm)	779*460*230
Weight	135kg
Protection Class	IP20
Operation Life	10+ years

HV Control Module



Module	1000V 200A
Max Voltage	1000V
Max Charge&Discharge	200A
Display	LCD
Dimension (W* D* H, mm)	620*460*222
Communication	RS232/RS485/CAN
Protection Class	IP20
Weight(KGS)	25
Operation Life	10+ years

Rack



Weight	5.5kg/layer
Layer	Number of battery module+control module