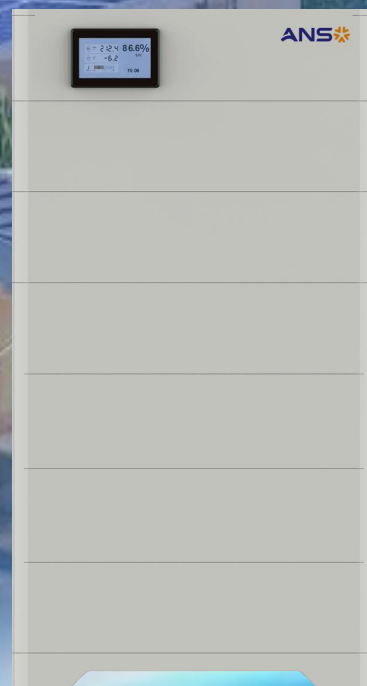




ProStor ST-51-100-HV

Stackable LiFePO4 Energy Storage Battery System
15-51kWh



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

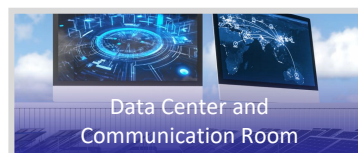
BMS can automatically manage charge & discharge state and balance current and voltage of each cell



Remote Monitoring

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

Application Scenarios



Capacity	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh	46kWh	51kWh
Battery Module								
Module nominal voltage (V)	51.2V							
Module Capacity(Ah)	100Ah							
Battery Cluster								
Configuration	3modules + 1BPU	4modules + 1BPU	5modules + 1BPU	6modules + 1BPU	7modules + 1BPU	8modules + 1BPU	9modules + 1BPU	10modules + 1BPU
System Rated Energy (kWh)	15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2
System Rated Volatge(V)	153.6	204.8	256	307.2	358.4	409.6	460.8	512
Charge Cut-off Voltage (V)	170.4	227.2	284	340.8	397.6	454.4	511.2	568
Discharge Cut-off Voltage (	132	176	220	264	308	352	396	440
Standard Charge/ Discharge Current (A)	60							
Maximum Charge/ Discharge Current (A)	120							
Cycle Life	≥6000 times @80% DOD, 25°C, 0.5C							
Methods Of Communicatio	RS232/RS485/CAN							
Charging Temperature	0~50°C							
Discharge Temperature	-10~50°C							
Storage Temperature	-20~60°C							
IP Protection	IP 20							
Series Function	Support 16 units in Series							
Rack Dimensions (L*W*Hmm)	600*400*685	600*400*835	600*400*985	600*400*1135	600*400*1285	600*400*1335	600*400*1485	600*400*1635
Approximate Weight (Kg)	178	218	258	310	360	410	460	510
Certificate	UN38.3/MSDS/ROHS/CE/IEC							



Battery Module



Battery Module	51.2V 100Ah
Capacity	5.12kWh
Battery Cell	3.2V 100Ah
Cell Quantity in Series(pcs)	16s
Charge Voltage(Vdc)	57.6V
Efficiency	98%
Depth of Discharge	90%
Dimension(W*D*H, mm)	450*460*133
Weight	48kg
Protection Class	IP20
Operation Life	10+ years

High Voltage Box + Base



Module	1000V 120A
System Operation Voltage (Vdc)	0-1000V
Nominal Current(A)	120
Self-consumption Power(W)	8
Dimension (W* D* H, mm)	450*460*177
Communication	RS232/RS485/CAN
Protection Class	IP20
Weight(KGS)	25
Operation Life	10+ years