

ENERGY STORAGE BATTERY SERIES



Hight Voltage (102.4V~819.2V) Energy Storage Solution



48Kwh~225Kwh Hight Voltage Energy Storage Lithium (LiFePO4) Battery

Parameters					Data Sheet					
Model	HVR32-ESS									
Battery Module	1P32S157Ah					1P32S280Ah				
Single Battery Module										
Energy Capacity	16Kwh					28.6Kwh / 32.15Kwh				
Max. Output Current	50A					84A				
Nominal Voltage	102.4V					102.4V				
Operating Voltage	96~112V					96~112V				
Dimensions (L*D*H)	544 x 781 x 200mm					882mm x 745mm x 242mm				
Single Battery Module										
Number of Modules Supported	3	4	5	6	7	3	4	5	6	7
Energy Capacity	48kWh	64kWh	80kWh	96kWh	112kWh	86kWh/ 96.4Kwh	114.6Kwh/ 128.6Kwh	143.3Kwh/ 160.7Kwh	172Kwh/ 192.9Kwh	200Kwh/ 225Kwh
Standard Charge / Discharge Current	45A / 0.3C	45A / 0.3C	45A / 0.3C	45A / 0.3C	45A / 0.3C	84A / 0.3C	84A / 0.3C	84A / 0.3C	84A / 0.3C	84A / 0.3C
Nominal Voltage	307.2V	409.6V	512V	614.4V	716.8V	307.2V	409.6V	512V	614.4V	716.84V
Operating Voltage	288~336V	384~448V	480~560V	576~672V	672~784V	288~336V	384~448V	480~560V	576~672V	672~784V
Dimensions (L*D*H)	595x790 x1061mm	595x790 x1264mm	595x790 x1467mm	595x790 x1670mm	595x790 x1873mm	925 x 790 x 1220mm	925 x 790 x 1474mm	925 x 790 x 1728mm	925 x 790 x 1982mm	1850x790 x1474mm
Weight	≈480Kg	≈600Kg	≈720Kg	≈840Kg	≈960Kg	≈885Kg	≈1110Kg	≈1340Kg	≈1570Kg	≈1850Kg
Battery Cell Type	LiFePO4 Battery (Lithium iron phosphate battery)									
Enclosure Protection Rating	IP20									
Round-tip Efficiency	≥93%									
Applications	ON Grid / ON Grid + Backup / OFF Grid									
Communication Mode	RS485 / CAN									
BMS Monitoring Parameters	SOC, System voltage, Current, Cell voltage, Cell temperature									
Operation Temperature	-10°C to +50°C									
Humidity	5~95%(RH)									