

# HVC36-ESS

144~253Kwh High Voltage C&I Energy Storage System

 ELONGTOP



144~253kWh



30~50kW



0.3C



432~882Vdc



Extraordinary Performance



Superior Safety



Flexible Configuration



Easy Set-up & Maintenance

# BATTERY DATA

144~253Kwh High Voltage C&I Energy Storage Battery

Models	1P36S314Ah			
<b>Single Battery Module</b>		<b>HVR36-31</b>		
Energy Capacity	36.17Kwh			
Output Current	Standard:50A / Max.:110A / Peak: 120A(3s)			
Nominal Voltage	115.2V			
Operating Voltage	108~126V			
Dimensions (L/D/H)	882mm x 798mm x 242mm			
<b>Battery System Data</b>				
Number of Modules	4	5	6	7
Energy Capacity	144.7Kwh	180.8Kwh	217Kwh	253.2Kwh
Recommended Charge-Discharge Current	84A / 0.3C	84A / 0.3C	84A / 0.3C	84A / 0.3C
Nominal Voltage	460.8V	576V	691.2V	806.4V
Operating Voltage	432~504V	540~630V	648~756V	756~882V
Dimensions (L/D/H)	1015 x 1380 x 1745mm	1015 x 1380 x 1745mm	1015 x 1380 x 2256mm	1015 x 1380 x 2256mm
Weight	≈1.85T	≈2.1T	≈2.35T	≈2.6T
Battery Cell Type	LiFePO4 Battery(Lithium iron phosphate battery)			
Enclosure Protection Rating	IP54			
Round-trip Efficiency	≥90%			
Operation Tem.	-10°C to +50°C			
Applications	ON Grid / ON Grid + Backup / OFF Grid			
Communication Port	CAN			
Cycle Life	≥6000(@25°C±2°C,0.3C/0.3C,70%EOL)			
Short Circuit Protection	YES			
Over Current Protection	YES			
Over Charge Protection	YES			
Over Temperature Protection	YES			
Cell Over Voltage Protection	YES			
Cell Over Under Protection	YES			
Cell Discharge Protection	YES			

※The above are only the parameters of the battery system. You can select the inverter according to your needs. The inverter can be mounted outside the battery rack and supports customization.