

215KWH

ENERGY STORAGE SYSTEM

7.5 FT COMMERCIAL & INDUSTRIAL BESS



TECHNICAL

SPECIFICATIONS

BATTERY SYSTEM SIDE		
Model	HV-768V280AH	
Rated Voltage	768V	
Rated Capacity	280Ah (0.5C)	
Charge Voltage	852VDC (adjustable)	
Discharge Voltage	672VDC	
Rated Working Current	100A (0.35C)	
Max. Working Current	140A (0.5C)	
Rated Power	78kW	
Max. Output Power	100kW	
Recommended DoD	90%	
Range of Working Temp.	-10 ~ 50 °C	
Working Humidity Range	5-85%RH	
Communication Method	Two Way CAN2.0/RS485	
Working Indicator	Blue:Power; Green:Running; Red:Alarm protection	
Cycle Life	25±2°C, 0.2C/0.2C, EOL70% c: 6000	
Display Method	10 Inch (LCD)/PC Software	
Protective Function	Voltage Protection	Over Charge and Over Discharge
	Temperature Protection	Over Temperature Range Protection
	Current Leakage Protection	YES
	Dielectric withstand Volta	1000VDC (not less than 1GΩ)
Dimension	2981*2500*2550MM	
Protection Level	IP 65	
Product Packaging	Container	
PCS DC INPUT SIDE		
Voltage	420-850VDC(768V)	
Max. Power	120kW	
PCS - PV INPUT SIDE		
Max. Photovoltaic Power	120kW	
Max. Photovoltaic Voltage	1000V	
Starting Voltage	150V	
MPPT Range	250-850VDC	
Full Load DC Voltage	450-850VDC	
Rated DC Input	600V	
PV Input Current	36A+36A+36A+36A	
PV Input Channels	4 Ways	
Communication Method	Two Way CAN2.0/RS485	
PCS - AC OUTPUT SIDE (OFF-GRID)		
Rated AC Power	110kVA	
Active Power	100kW	
Rated Voltage	400VAC	
Rated Current	144A	
THOU	<2% Linear	
Rated Frequency	50/60Hz	
Overload Capacity	110% Long-Term	
PCS - AC SIDE (ON-GRID)		
Rated AC Power	110kVA	
Active Power	100kW	
Rated Voltage	400VAC	
Rated Current	144A	
Voltage Range	320-460VAC	
Rated Frequency	50/60Hz	
THOU	<3% Linear	
Power Factor	Standard: 1.0; Lead 0.8 /Lag 0.8	
AC Phase	Three-Phase Four - Wire+ Ground Wire (3 W+N+P E)	
Isolation Transformer	0.68%	
Grid Certification	TUV, CE	
Working Temp. Range	40-60°C, >45°C Power Down	
Communication Method	RS485/CAN	