

SOLUNA

POWER DESIGNED FOR NIGHT AND DAY

Soluna HV



TECHNICAL SPECIFICATIONS

	HV 9K	HV 13.5K	HV 18K	HV 22.5K
Cell technology	LFP			
Dimensions (W*D*H)(mm)	650*320*615	650*320*810	650*320*1005	650*320*1200
Weight	102	144	186	228
Number of Modules	2	3	4	5
Total Energy Capacity(kWh)	9.21	13.82	18.43	23.04
Usable Energy Capacity(kWh)	8.29	12.44	16.58	20.73
Battery Capacity (Ah)	40			
Usable Voltage Range(V)	201.6~252	302.4~378	403.2~504	504~630
Nominal Voltage(V)	230.4	345.6	460.8	576
Charge/Discharge Current (A,Nominal)	20 / 20			
Charge/Discharge Current (A,Max)	20 / 40			
Short circuit current (A)	<3000			
Charge/Discharge Power (kW,Nominal)	4.6	6.9	9.2	11.5
Charge/Discharge Power (kW,Max)	4.6 / 9.2	6.9 / 13.8	9.2 / 18.4	11.5 / 23.0
Recommend Depth of Discharge	90%			
Round-Trip Efficiency	≥95%			
DC Disconnect	Contactor / Fuse			
Cycle life @ 25°C(under standard charge and discharge conditions)	≥8000			
Operating Temperature(Recommended)	15~30 ℃			
Storage Temperature	-20~60 ℃			
Humidity	5%~95%			
Altitude	Max. 2,000 m			
Cooling Strategy	Natural Convection			
Production Certificates	IEC62477 , IEC62619 , EMC , ROHS			
Transportation	UN38.3			
Ingress Rating	IP65			
Warranty	Please refer to SOLUNA WARRANTY CONDITIONS			

KEY FEATURES



Active Balancing



Self heating



Aerosol fire protection



Cycle life≥8000 times



Scalable to 2.25MWh

