

SOLUNA  
POWER DESIGNED FOR NIGHT AND DAY

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Tailor-made for large residential applications. Block adaptive stacking design, five energy parallel options up to 2.25MWh, advanced lithium iron phosphate technology, remote upgrade, high waterproof level, good heat dissipation function.

- Active Balancing
- High Density&Efficiency
- WIFI LAN, Bluetooth Monitoring
- Self heating
- Scalable to 2.25 MWh
- Aerosol fire protection
- Cycle life≥8000 times



## TECHNICAL SPECIFICATIONS

Model name	HV 9K	HV 13.5K	HV 18K	HV 22.5K
Cell technology	LFP			
Dimensions (W*D*H)	650*320*615	650*320*810	650*320*1005	650*320*1200
Weight	98.2	139	179.8	220.6
Number of Modules	2	3	4	5
Total Energy Capacity(kWh)	9.216	13.824	18.432	23.040
Usable Energy Capacity(kWh)	7.372	11.059	14.745	18.432
Battery Capacity (Ah)	40			
Usable Voltage Range(V)	216~252	324~378	432~504	540~630
Nominal Voltage(V)	230.2	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)	4.600	6.912	9.216	11.520
Charge/Discharge Power (kW,Max)	9.216	13.824	18.432	23.040
DOD (%)	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°C			
Storage Temperature	-20~60°C			
Humidity	5%~95%			
Altitude	Max. 2,000 m			
Cooling Strategy	Natural Convection			
Production Certificates	IEC62619 & CE			
Transportation	UN38.3			
Ingress Rating	IP65			
Warranty	Please refer to SOLUNA WARRANTY CONDITIONS			