

SOLUNA
POWER DESIGNED FOR NIGHT AND DAY

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Soluna HV Ultra supports vertical stacking of multiple battery modules to meet the needs of step-by-step expansion in industrial and commercial scenarios. Advanced lithium ironphosphate technology, remote upgrade, high waterproof level, good heatdissipation function.

- Active Balancing
- High Density&Efficiency
- WIFI LAN, Bluetooth Monitoring
- Scalable to 614.44kWh
- Self heating(Optional)
- Aerosol fire protection
- Cycle life≥8000 times



TECHNICAL SPECIFICATIONS

Model name	HV Ultra 15K	HV Ultra 23K	HV Ultra 30K	HV Ultra 38K	HV Ultra 46K	HV Ultra 54K	HV Ultra 61K
Cell technology	LFP						
Dimensions (W*D*H)	710*526*440	710*675*440	710*824*440	710*972*440	710*1122*440	710*1271*440	710*1420*440
Weight	166	234	302	370	438	506	574
Number of Modules	2	3	4	5	6	7	8
Total Energy Capacity(kWh)	15.36	23.04	30.72	38.40	46.08	53.76	61.44
Usable Energy Capacity(kWh)	13.82	20.74	27.65	34.56	41.47	48.38	55.30
Battery Capacity (Ah)	100						
Usable Voltage Range(V)	134.4~168	201.6~252	268.8~336	336~420	403.2~504	470.4~588	537.6~672
Nominal Voltage(V)	153.6	230.4	307.2	384	460.8	537.6	614.4
Charge/Discharge Current (A,Nominal)	50 / 50						
Charge/Discharge Current (A,Max)	50 / 100						
Short circuit current (A)	< 3000						
Charge/Discharge Power (kW,Nominal)	7.68	11.52	15.36	19.2	23.04	26.88	30.72
Charge/Discharge Power (kW,Max)	15.36	23.04	30.72	38.40	46.08	53.76	61.44
Recommend Depth of Discharge (%)	80						
Max Depth of Discharge (%)	90						
Round-Trip Efficiency (%)	≥95						
Cycle life @ 25°C(under standard charge and discharge conditions)	≥8000						
DC Disconnect	Contactor / Fuse						
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						