

# 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						