

SOLUNA

POWER DESIGNED FOR NIGHT AND DAY

HV Ultra



TECHNICAL SPECIFICATIONS

	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)(mm)	710*440*526	710*440*675	710*440*824	710*440*972	710*1122*440	710*440*1271	710*440*1420
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 ℃						
Storage Temperature	-20~60 ℃						
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						

KEY FEATURES



Active Balancing



Self heating(Optional)



Aerosol fire protection



Cycle life≥8000 times



Scalable to 614.44kWh



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