

SOLUNA

POWER DESIGNED FOR NIGHT AND DAY

HV Ultra



TECHNICAL SPECIFICATIONS

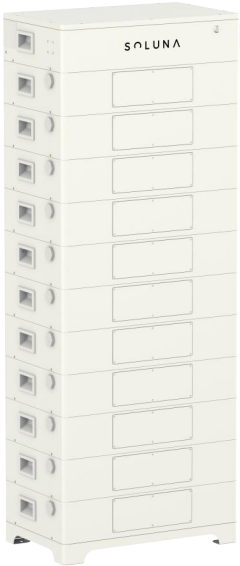
	HV Ultra 23K	HV Ultra 30K	HV Ultra 38K	HV Ultra 46K	HV Ultra 53K	HV Ultra 61K	HV Ultra 69K	HV Ultra 76K	HV Ultra 84K
Cell technology	LFP								
Dimensions (W*D*H)(mm)	710*438*686	710*438*835	710*438*984	710*438*1133	710*438*1282	710*438*1431	710*438*1580	710*438*1729	710*438*1878
Weight	206	268	330	398	460	522	584	646	708
Total Energy Capacity(kWh)	23.04	30.72	38.4	46.08	53.76	61.44	69.12	76.8	84.48
Usable Energy Capacity(kWh)	20.74	27.65	34.56	41.47	48.38	55.30	62.21	69.12	76.03
Voltage Range(Usable)(V)	201.6~252	268.8~336	336~420	403.2~504	470.4~588	537.6~672	604.8~756	672~840	739.2~924
Battery Capacity (Nominal)(Ah)	100								
Nominal Voltage(V)	230.4	307.2	384	460.8	537.6	614.4	691.2	768.0	844.8
Charge/Discharge Current (A,Nominal)	50 / 50								
Charge/Discharge Current (A,Max)	50 / 100								
Charge/Discharge Power (kW,Nominal)	11.5	15.4	19.2	23.0	26.9	30.7	34.6	38.4	42.2
Charge/Discharge Power (kW,Max)	11.5/23.0	15.4/30.7	19.2/38.4	23.0/46.1	26.9/53.8	30.7/61.4	34.6/69.1	38.4/76.8	42.2/84.5
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	IEC62477,IEC62619,EMC, ROHS								
Transportation	UN38.3								
Ingress Rating	IP65								
Warranty	Please refer to SOLUNA WARRANTY CONDITIONS								

KEY FEATURES

-  Active Balancing

 Self heating(Optional)
-  Cycle life≥8000 times

 Scalable to 614.44kWh
-  Aerosol fire protection



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