

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

	10K PACK	15K PACK
Height (mm)	971	1205 (±3)
Width (mm)	654	654 (±2)
Depth (mm)	227	227 (±2)
Weight (kg)	96	141
Installation	Floor-stand	

ELECTRICAL CHARACTERISTICS

Battery type	Lithium LFP	
Nominal capacity (kWh)	10	15
Usable capacity (kWh)	9	13.5
Nominal voltage (V)	273	390
Voltage range (usable) (V)	235.5-294	336-420
Charge voltage (V)	294	420
Discharge voltage (V)	235.2	360
Charge/discharge current (nominal)	20/20	20/20
(A) Charge/discharge current (max.)	40/40	40/40
(A) Depth of discharge (DoD) (%)	90	90

OPERATING CONDITIONS

Operating temperature (°C)	-10 to 50
Operating temperature (recommended) (°C)	15 to 30
Storage temperature (°C)	-30 to 60
Humidity conditions (%)	5 to 95
Altitude (m)	Max. 2,000
Cooling strategy	Natural convection

RELIABILITY AND CERTIFICATION

Certification	Cell: UL1642 Battery Pack: CE & IEC62619 & UL1973
Hazardous materials classification	Class 9
Transportation	UN38.3
Ingress protection rating	IP 54
System configuration	1 to 4 parallel

WARRANTY

Product and performance	10-year standard warranty
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HV PARALLEL BOX

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The Soluna HV Parallel Box connects multiple Soluna HV 10K & 15K Pack batteries for a combined energy output of up to 60 kWh (nominal) per inverter, providing even greater energy independence and blackout protection 24/7.



PHYSICAL CHARACTERISTICS

Height (mm)	86.2
Width (mm)	332.4
Depth (mm)	232.4
Weight (kg)	3.5

ELECTRICAL CONNECTING PORT

Working voltage (VDC)	530
Input current (max.) (A) (x 4)	50
Output current (max.) (A)	175
Input wiring (max.) (mm ²) (x 4)	10
Output wiring (max.) (mm ²)	35

COMMUNICATION CONNECTING PORT

Communication connection port type	RJ45 (8P)
Input communication port (qty)	4
Output communication port (qty)	2

REGULAR PARAMETERS

Operating temperature range (° C)	-20 to 50
Storage stability range (° C)	-20 to 60
Relative humidity (%)	0 to 95
Ingress protection rating	IP54
Installation	Indoors

MISCELLANEOUS

Warranty	3-year warranty
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