

TECHNICAL SPECIFICATIONS

HV PARALLEL BOX

The Soluna HV Parallel Box connects multiple Soluna HV 6K & 10K & 15K Pack batteries for a combined energy output of up to 60kWh (Max) providing even greater energy independence



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	IP
Installation	Indoor / Outdoor



HIGH VOLTAGE BATTERY MODULE

TECHNICAL SPECIFICATION



HV PACK

6K & 10K & 15K

Soluna HV Pack 6K/10K/15K is the High-voltage **LiFePO₄** battery storage systems designed specifically for **3-phase/ 1-phase** homes and small businesses. Pairing with a compatible 3-ph/1-ph HV hybrid inverter for flexible system design, daily storage and independent blackout protection across all three loads.

The parallel connection of up to 100 identical HV Packs allows a maximum capacity of **1.5MWh**, suitable for homes of all sizes.

IP65



Scalable to 1.5MWh

10-year Warranty



Long Lifespan

Compact & Easy Installation



Floor-Standing



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PHYSICAL CHARACTERISTICS	6K PACK	10K PACK	15K PACK
Height (mm)	971	971	1205 (±3)
Width (mm)	654	654	654 (±2)
Depth (mm)	227	227	227(±2)
Weight (kg)	74	105	143
Installation	Floor-stand		
ELECTRICAL CHARACTERISTICS			
Battery type	Lithium LFP		
Nominal capacity (kWh)	6	10	15
Depth of discharge (DoD) (%)	90	90	90
Nominal voltage (V)	153.6	268.8	384
Voltage range (usable) (V)	134.4~168	235.2-294	336-420
Charge voltage (V)	168	294	420
Dicharge voltage (V)	134.4	235.2	360
Charge/discharge current(nominal) (V)	20/20	20/20	20/20
Charge/discharge current(max.) (V)	40/40	40/40	40/40
OPERATING CONDITIONS			
Operating temperature (°C)	-10 to 50		
Storage temperature (recommended) (°C)	-20 to 60		
Humidity conditions(%)	5 to 95		
Altitude(m)	Max. 2,000		
Cooling strategy	Natural convection		
RELIABILITY AND CERTIFICATION			
Certification	UL1642 IEC62619 & UL1973 CE&UL9540A & UL9540		
Hazardous materials classification	Class 9		
Transportation	UN38.3		
Ingress protection rating	IP 65		
System configuration	1 to 100 parallel		
WARRANTY			
Product and performance	10-year standard warranty		