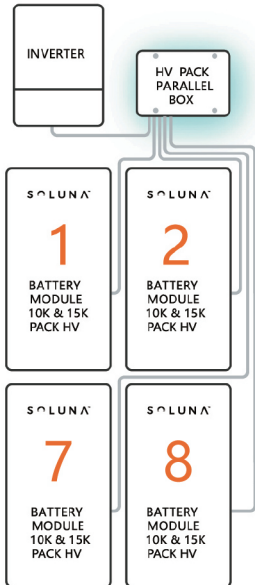


## TECHNICAL SPECIFICATIONS

### HV PARALLEL BOX

The Soluna HV Parallel Box connects multiple Soluna HV 10K & 15K Pack batteries for a combined energy output of up to 120 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 <sup>2</sup> ) (x 4)	10
Output wiring (max.) (mm <sup>2</sup> )	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 only

## HIGH VOLTAGE BATTERY MODULE

### TECHNICAL SPECIFICATION



**HV PACK 10K & 15K**

Soluna's HV Pack 10K/15K is the **pre-assembled** High-voltage LiFePO<sub>4</sub> Lithium battery storage systems designed specifically for residential and small businesses. Pairing with a compatible hybrid inverter for flexible system design, daily storage and independent blackout protection across all the loads.

The parallel connection of up to 8 identical HV Packs allows a maximum capacity of **120kWh**, suitable for homes of all sizes.

Wifi



Black Start

High Voltage



Scalable to 60kWh

10-year Warranty



Long Lifespan

Compact & Easy Installation



Floor-Standing



### Best optimizing 2022

- **Battery Monitoring** integrated into Soluna monitoring Web portal and APP.
- **Battery Power Light** indicated with 5 colors stands for different operation status, easy visual inspection on trouble shooting.
- **DC power quickly charging battery** straightforward at battery outer port when an unexpected empty happened.
- **Black Start**
- **Lightning protection** SPD-2.

## 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

	10K PACK	15K PACK
Battery type	Lithium LFP	
Nominal capacity (kWh)	10	15
Depth of discharge (DoD) (%)	90	90
Nominal voltage (V)	273	390
Voltage range (usable) (V)	235.2-294	336-420
Charge voltage (V)	294	420
Discharge voltage (V)	235.2	360
Charge/discharge current (nominal) (A)	25/25	25/25
Charge/discharge current (max.) (A)	25/40	25/40

### 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 module: IEC62619 & UL1973
Hazardous materials classification	Class 9
Transportation	UN38.3
Ingress protection rating	IP 54
System configuration	1 to 8 parallel

### WARRANTY

Product and performance	10-year standard warranty
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