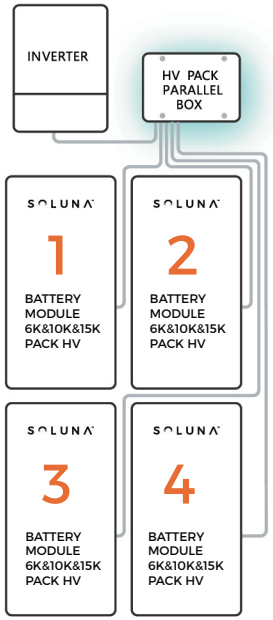
SOLUNA™
POWER DESIGNED FOR NIGHT AND DAY

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	IP54
Installation	Indoor / Outdoor

SOLUNA™
POWER DESIGNED FOR NIGHT AND DAY

HIGH VOLTAGE BATTERY MODULE

TECHNICAL SPECIFICATION



HV PACK
6K & 10K & 15K

SOLUNA™ | www.soluna.co Email: sales@solunabattery.com Tel.: +86-21-57475835

SOLUNA™

POWER DESIGNED FOR NIGHT AND DAY

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 10 identical HV Packs allows a maximum capacity of **150kWh**, suitable for homes of all sizes.

High Voltage

Scalable to 150kWh

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.
- **Lightning protection** SPD-2.

SOLUNA™

POWER DESIGNED FOR NIGHT AND DAY

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS	6K PACK	10K PACK	15K PACK
Height (mm)	971	905	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 LEP	
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 (℃)	-10 to 50
Operating temperature(recommended) (℃)	15 to 30
Storage temperature (recommended) (℃)	15 to 30
Humidity conditions(%)	5 to 95
Altitude(m)	Max. 2,000
Cooling strategy	Natural convection

RELIABILITY AND CERTIFICATION	
Certification	Cell: UL1642 Battery module: IEC62619 & UL1973 CE&UL9540A & UL9540
Hazardous materials classification	Class 9
Transportation	UN38.3
Ingress protection rating	IP 54
System configuration	1 to 10 parallel

WARRANTY	
Product and performance	10-year standard warranty

SOLUNA™ | www.soluna.co Email: sales@solunabattery.com Tel.: +86-21-57475835