Soluna Venus 16K Pack LV is a battery solution ideal for residential and small commercial energy storage applications.

The model is adopted by the latest LiFePO4 technology with an intelligent BMS integratedin the fault protection for energy security, offering a capacity of 16kWh which can beinstalled in parallel up to 30 batteries allowing 480kWh of total storage.

With a 10-year warranty and 8000 cycle life, the Soluna Venus 16K Pack LV is a flexible, reliableand high performance battery storage solution.

IP65

Scalable to 480 kWh

Safest LiFePO4 battery

Long lifespan

Easy Installation

Floor,Wall mounted

TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Height (mm)	850
Width (mm)	545
Depth (mm)	220
Weight (kg)	127
Installation	Indoor / Outdoor

ELECTRICAL CHARACTERISTICS

Battery type	LFP
Total Energy Capacity (kWh)	16.07
Usable Energy Capacity (kWh)	12.85
Nominal capacity (Ah)	314
Nominal voltage (V)	51.2
Voltage range (usable) (V)	44.8 to 56.8
Charge/Discharge Current (A)	150
Charge/Discharge Power (KW)	7.68
Max.Charge/Discharge Current (A)	160/220
Max.Charge/Discharge Power (KW)	8.2/11.2
Recommend Depth of Discharge (%)	80
Max Depth of Discharge (%)	90
Cycle life@ 25℃(under standard charge and discharge conditions)	≥8000
DC Disconnect	Contactor / Fuse

BMS

Monitoring parameters	System voltage
	System current
	Cell voltage
	Cell temperature
	SOC
	SOH
Communication	CAN

OPERATING CONDITIONS

Operating temperature (℃)	-10 to 50
Operating temperature(recommended) (℃)	15 to 30
Storage temperature (recommended)(℃)	-20 to 60
Humidity conditions(%)	5 to 95
Altitude(m)	Max. 2,000
Cooling strategy	Natural convection

RELIABILITY AND CERTIFICATION

Certification	TBD
Transportation	UN38.3
Ingress protection rating	IP 65

WARRANTY

Product and performance	10-year standard warranty