



**Soluna FRANZ 9.6K 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 integrated in the fault protection for energy security, offering a capacity of 9.6kwh which can be installed in parallel up to 12 batteries allowing 115.2kWh of total storage.

With a **10-year** warranty and 6000 cycle life, the Soluna 9.6K Franz pack LV is a flexible, reliable and high performance battery storage solution.

**Low Voltage**



**Scalable to 115.2 kWh**

**Safest LiFePO4 battery**



**Long lifespan**

**Easy Installation**



**Floor,Wall mounting**



## TECHNICAL SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

Height (mm)	760
Width (mm)	500
Depth (mm)	215
Weight (kg)	90
Installation	Indoor / Outdoor

### ELECTRICAL CHARACTERISTICS

Battery type	Lithium LEP
Nominal capacity (kwh)	9.6
Nominal voltage (V)	48
Voltage range (usable) (V)	45 to 54
Max. charge/ discharge current(A)	100 / 200
Depth of discharge (DoD) (%)	90
Internal resistance (mΩ)	≤60
Cycle life	≥6000
Battery pack round-trip efficiency (%)	>95
DC disconnect	Contactors / fuse

### BMS

Power consumption	<3W (work) <100 mW (sleep)
Monitoring parameters	System voltage System current Cell voltage Cell temperature CAN
Communication	CAN

### OPERATING CONDITIONS

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

### RELIABILITY AND CERTIFICATION

Certification	IEC62619 & CE
Transportation	UN38.3
Ingress protection rating	IP 65
System configuration	1 to 12 parallel

### WARRANTY

Product and performance	10-year standard warranty
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## TECHNICAL SPECIFICATIONS

### WIFI STICK

WiFi Stick is an internal data logger in the Soluna battery monitoring series.

By connecting with the battery through CAN 1 interface and checking working status from the 3 LEDs on the WiFi Stick, it can collect information from battery and transmit data to the web server, realizing remote monitoring for users including Fault Alarm, Firmware update and parameter setting through web portal and a direct connection configuration with Soluna E-Cloud APP for user as well.



#### PHYSICAL CHARACTERISTICS

Model Name	WiFi Stick RSW-1
Dimension (H*W*D)	122*49*30 mm
Weight (kg)	0.1
Installation	Insert+Screw

#### ELECTRICAL

Input Voltage	DC 5V
Power consumption	1.5W

#### COMMUNICATION CONNECTING PORT

Supported device type	Soluna 10K/15K Pack HV(L-E)
Data collection intervals	5 minutes
Indicator	LED *3
Communication Interface	USB
Wireless communication	2.4GHz~2.48GHz/ 802.11b/g/n
Configuration	APP

#### ENVIRONMENT

Operating temperature	-30°C~+70°C
Storage temperature	-40°C~+90°C
Operating humidity	10%-90%
Storage humidity	<50%
Warranty	2 Years

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\* All specifications are subject to change without notice.