



**Soluna Franz 9.6K PACK LV** is a battery solution i deal 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 Franz 9.6K 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 LFP
Nominal Capacity(kWh)	9.6
Usable Energy (kwh)[1]	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	Contact / 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

### RELIABILITY AND CERTIFICATION

Certification	Cell: UL1642 Module: IEC62619, UN38.3 CE ROHS
Transportation	UN38.3
Ingress protection rating	IP 55
System configuration	1 to 12 parallel

### WARRANTY

Product and performance	10-year standard warranty
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[1] Test conditions: 100% DOD of nominal capacity, 0.2C charge & discharge at +25°C. Battery usable energy may vary with different inverter brand.

## TECHNICAL SPECIFICATIONS

### WIFI STICK

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

By connecting with the batteryCAN 1 interface and checking wstatus 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 Franz 9.6K PACK LV Battery
Data collection intervals	5 minutes
indicator	LED*3
Communication interface	UsB
Wireless communication	2.4GHz~248GHz/ 80211b/g/n
Configuration	APP

#### ENVIRONMENT

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



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