

May the Sun brighten Innumerable Homes

**To be the leading provider of PV,
Energy storage and Charging
solutions globally.**



About us

Sunplus, located in Shanghai, the economic, trade, shipping, science and technology center of China, is mainly engaged in the R&D, production, marketing and sales of three categories of new energy products-PSC. The typical products are PV inverter, storage inverter, lithium battery pack and EV charger that are widely applied to household, industrial and commercial new energy systems. Sunplus production base covers an area of 36,000 square meters and has a yearly production capacity of 1GW. The production line is equipped with large-scale advanced automation equipments to ensure the high quality, high standard and high stability of the products.

Sunplus market orientation is global, and it has established branches and overseas warehouses in China, Europe, the Middle East and other countries to provide localized, professional and efficient product supply and service for the global market. Sunplus has a professional organization with strong innovation ability, and a young and elite management team. It has been deeply involved in the field of new energy for many years, laying the foundation for the rapid development. Sunplus is committed to becoming a practitioner of green energy. By developing green, safe and reliable clean and renewable energy, it improves people's dependence on non-clean energy, and also contributes to the great vision "To be the leading provider of PV, Energy Storage and Charging solutions globally".

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Low Voltage Energy Storage Battery

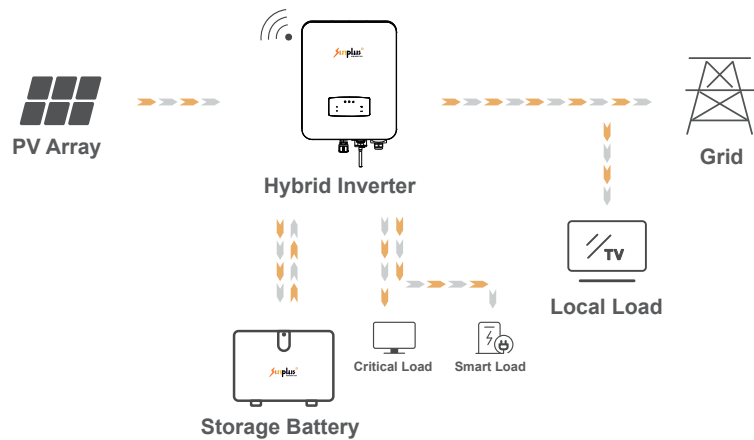
High Voltage Energy Storage Battery

Low Voltage Energy Storage Battery

SP-LV5.12K-W Series

5.12 KWH

Be specially designed for multiple energy storage application scenarios including household, data center, and commercial building, bank, hospital, school, railway station, airport and telecom, etc.



Over Current Protection



Over Charge Protection



Over Discharge Protection



Cell Balance Function



Short Current Protection



Temperature Protection

Two Installation Methods



- Long Design Life
- Multiple Protection
- Modular Design
- Dekra Certification
- Scalable & Flexible
- Easy Maintenance



Product Name	Rechargeable Lithium Iron Phosphate Battery
Module Model	SP-LV5.12K-W1
Battery Type	LFP 2P16S
Nominal Capacity	5.12kWh
Usable Capacity	4.86kWh (95% DOD)
Nominal Voltage	51.2V
Working Voltage	45.6~57.6V
Charging Voltage	56V
Max. Charge Current	50A
Max. Discharge Current	100A
Communication	RS485, CAN
Storage Temperature	0℃~45℃ (Recommended)
Storage Humidity	≤85% (RH)
Working Temperature	Charging: -10℃~50℃ / Discharging: -20℃~50℃
Working Humidity	≤95% (RH) No Condensation
Working Altitude	≤2000m
Ingress Protection	IP55
Protective Class	I
Weight	~45kg
Dimension(W*D*H)	510mm*385mm*175mm
Design Life	15Years (25℃)
Cycle Life	>6000 (25℃) ,60% EOL
Scalability	Max. 8 in parallel (40.96Kwh)
Certification	CE, IEC62619, IEC/EN 61000-6-1/3, UN38.3