

SOLARX-Lithium-WALL.2TM Series



SOLARX-Lithium-WALL.2 Series:

- **SOLARX-Lithium-WALL.2-10K**
- **SOLARX-Lithium-WALL.2-5K**

SOLARX-Lithium-WALL.2TM Series

Advanced Rechargeable Solar Lithium Iron Batteries

Hi-performance and Long Life Rechargeable Lithium Iron Batteries specially designed for high power solar photovoltaic off-grid and back-up applications with integrated Battery Management System-BMS.

High performance in off-grid solar systems and high delivery power.

Specially designed for optimal and fast photovoltaic off-grid solar charging.

Very high power and instantaneous power delivery capability.

Product Overview



- ☞ **Safe LiFePO₄ Lithium-ion Chemistry with integrated Battery Management System -BMS**

Superior Performance

- More Energy
- Faster and Powerful
- Superior and Longer Cycle Life
- Wider Temperature Range Operation
- Very Low Self-Discharge
- Very Light
- Scalable. Modular Design enables to connect in parallel



Superior Safety

- Maintenance Free
- Sealed. IP65
- Low Voltage
- More Powerful. High Current Charge and Discharge
- Multi-position
- BMS- Battery Management System Integrated with advanced communication port functions.
- Full Protections Integrated
- Environment Friendly

Models

- **SOLARX-Lithium-WALL.2-10K** 51.2V | 200Ah | 10.24kWh
- **SOLARX-Lithium-WALL.2-5K** 51.2V | 100Ah | 5.12kWh

PLUS: Up to 6 units can be paralleled very easily. Plug&Play

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XU-92230927MA

Industry Leading Technology for Off-Grid, Off-Shore and Backup Power Applications





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Model	SOLARX-Lithium-WALL.2-5K	SOLARX-Lithium-WALL.2-10K
Code Order Part Number	SXLW25K	SXLW210K
Chemistry	Lithium Iron Phosphate – LFP - LiFePO ₄	
Battery technology type	Rechargeable - Secondary – With No Memory Effect	
Average Service Life	> 10 years (at 25°C)	
Nominal Voltage	51.2V	51.2V
Rated Capacity	5120Wh	10240Wh
Efficiency	99%	
Cycle Life (25degC / 0.5C / 90% DoD / 70% EOL)	> 6500 cycles	
Self Discharge	< 2% in 30 days	
Maximum batteries in Parallel	6 Units (Optional Part: Distribution Box for parallel connection)	
Communication interface	CAN, RS485	
Dimensions (mm)	520 x 165 x 566	520 x 165 x 865
Net Weight (kg)	50	105
Case Battery Terminal	IP65 M8	
Charge Voltage	55.2 – 57.6V	
End of Discharge Voltage	44.8V (for Backup Applications) / 48.0V (for Cycle Applications)	
Recommended/Maximum Charge Current	100A	200A
Protections	Over Voltage Over Low Voltage Over Current Over Temperature Over Low Temperature Short Circuit	
Continuous Discharge Current	100A	200A
Pulse Discharge Current	110A during 10 min 120A during 10 sec.	210A during 10 min 220A during 10 sec.
Operating Temperature	Charge: 0° to 55°C / Discharge: -20° to 55°C [with optional heater] Charge: -30° to 55°C / Discharge: -30° to 55°C	
Storage Temperature	-40° to 65°C	
Operating Humidity Range	0 – 95% RH (No condensing)	
Compliance Shipping Class	CE UKCA RoHs3 and REACH Compliant WEEE Compliant IEC62133, UL1642 UN3480, Class 9, UN38.3	



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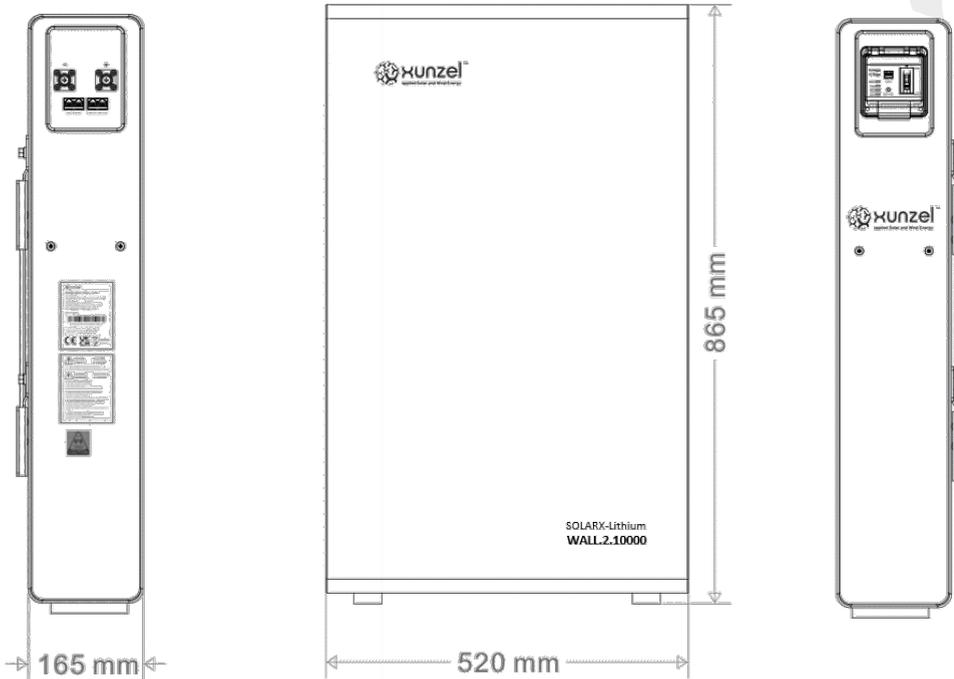
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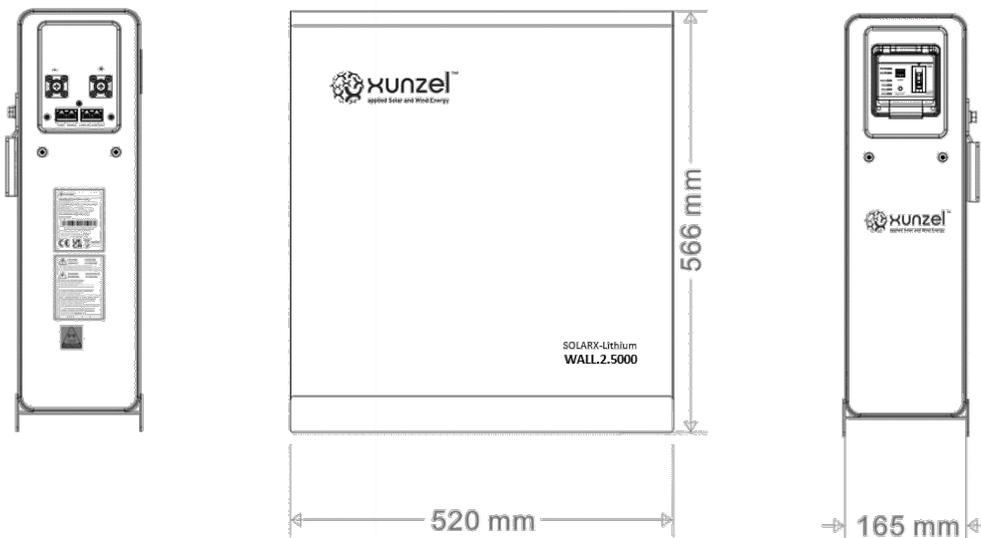
SOLARX-Lithium-WALL.2™ Series

Dimensions (mm)

SOLARX-Lithium-WALL.2-10K



SOLARX-Lithium-WALL.2-5K



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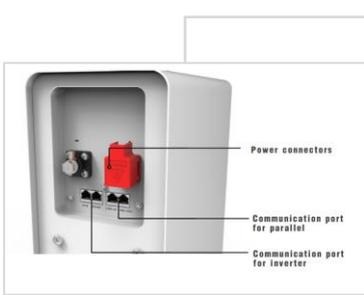
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SOLARX-Lithium-WALL.2-5K



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