

SOLAR MD STORAGE PRODUCTS



SOLAR MD SS7024 HIGH VOLTAGE ENERGY SOLUTION

The Solar MD SS7024 is a high voltage energy storage system with the Solar MD advanced BMU and BMS technology, integrated with major inverter brands as well as our data Logger: Logger V2.

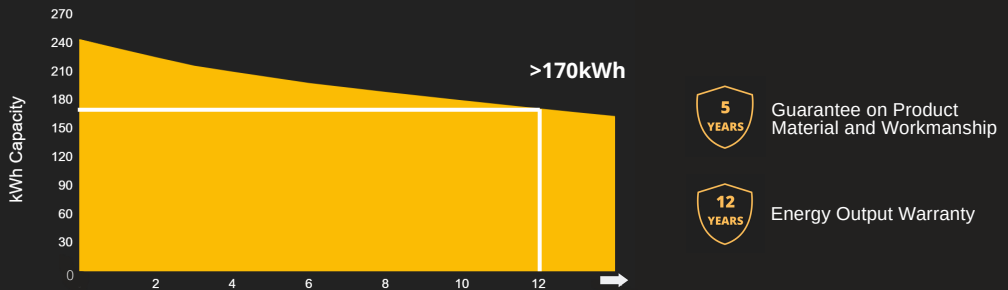
The SS7024 is designed to be used in containerised solutions, as well as commercial and industrial locations.

LFP Prismatic Cells are incredibly durable, safe and powerful. Solar MD uses CATL cells and offers a performance guarantee of 12 years on the battery modules.

APPLICATIONS

- ✓ Off-grid electricity supplying your own mini grid
- ✓ Back-up power
- ✓ Peak shaving
- ✓ Increased self-consumption and PV usage
- ✓ Time of use (Via Logger V2 - limited PCS brands)
- ✓ Manual and AI based charging and discharging when you need it
- ✓ Power management via Logger V2 and advanced switching of consumers

Derating in kWh based on usage of 85 MWh / year



Years of daily usage



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SS7024

SS7024 has been widely used in energy storage applications in the African market. The battery is produced with the world-leading CATL LiFePO4 technology.

BATTERY FEATURES

- ✓ Stable discharge platform
- ✓ Excellent safety
- ✓ Long life cycle
- ✓ High temperature performance
- ✓ High energy density
- ✓ High charge and discharge rate
- ✓ High efficiency
- ✓ No pollution

SS7024	
Cell chemistry	Lithium Iron Phosphate (LiFePO4)
Cell manufacturer	CATL
Rated capacity	243.1kWh
Nominal Power	170.0kW
Usable Battery Energy @0.3C	221.0kWh
Nominal Voltage	870.4V
Number of battery modules	17
Weight per module	115kg
Total weight	2055kg
Operational Voltage	761.6 - 945.2Vdc
Communication	CANBUS / RS485 / Ethernet
Dimensions W x D x H	848mm x 704mm x 2221mm
Cycle life @25°C	≥6000
Charging Efficiency	99%
Operational temperature	0°C to +50°C
Transport	UN3480 & UN38.3
Storage duration	6 months @25°C
Safety standard compliance	IEC 62619 / UN38.3 / UL1642
Cell certificate	TUV / CE / UL1642



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