

SOLAR MD STORAGE PRODUCTS



SOLAR MD 8.3 kWh SS4083 ADVANCED LITHIUM-ION BATTERY

The SS4083 uses Lithium Iron Phosphate cells for its streamlined energy storage.

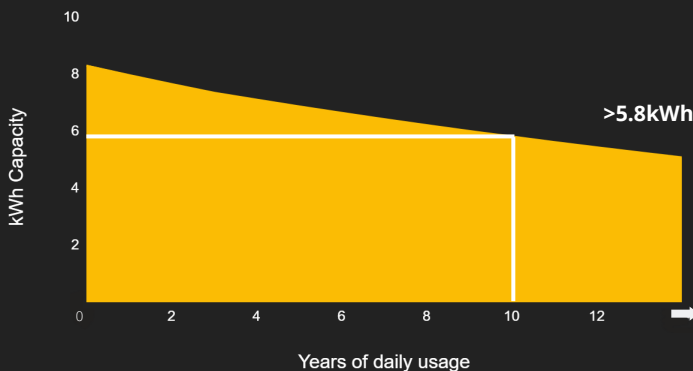
The flexible modular design enables it to be set up with multiple batteries.

Capacity can be increased through a parallel connection of the batteries.

APPLICATIONS

- ✓ Grid tied, off-grid and hybrid inverter and charger systems
- ✓ Residential and commercial UPS systems

Derating in kWh based on usage of 2.5 MWh / year



Guarantee on Product Material and Workmanship



Energy Output Warranty



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SS4083

SS4083 has been widely used in energy storage applications in the African market. The battery is produced with the world-leading CALB 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

SS4083	
Cell chemistry	Lithium Iron Phosphate (LiFePO4)
Cell manufacturer	CALB
Rated capacity	8.3kWh
Nominal Power	7.5kW
Usable Battery Energy @0.3C	7.51kWh
Nominal Voltage	51.2V
Number of battery modules	1
Weight per module	70kg
Operational Voltage	44.8 - 55.6Vdc
Communication	CANBUS / RS485
Dimensions W x D x H	389mm x 183mm x 635mm
Cycle life @25°C	≥4000
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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