SOLAR MD STORAGE PRODUCTS

SOLAR MD 8.3 kWh - SS4083
ADVANCED LITHIUM-ION BATTERY

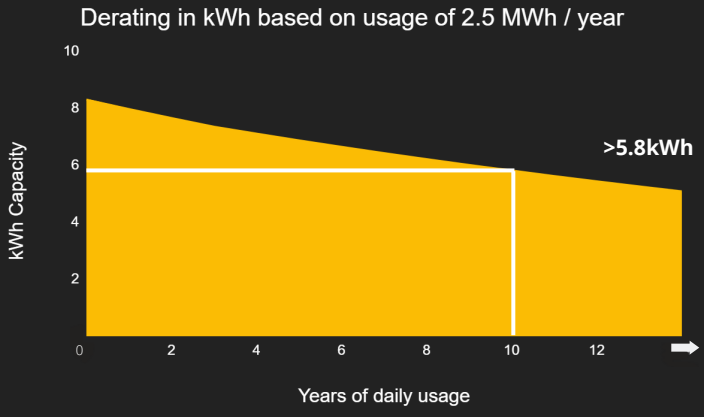
The SS4083 uses Lithium Iron Phosphate cells for its streamlined energy storage.

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



5 YEARS — Guarantee on Product Material and Workmanship

10 YEARS — Energy Output Warranty

solarMD

E-Mail: info@solarmd.co.za

Phone: +27 (0)21 555 2181

Web: www.solarmd.com

Address: Unit 23, Alternator Park, 7 Alternator Avenue, Montague Gardens, 7441 Cape Town, South Africa

SOLAR MD STORAGE PRODUCTS

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	8.3 kWh
Nominal Power	7.5 kW
Usable Battery Energy @0.3C	7.51 kWh
Nominal Voltage	51.2 V
Number of Battery Modules	1
Weight	70 kg
Operational Voltage	44.8 - 55.6 Vdc
Communication	CANBUS / RS485
Dimensions (W x D x H)	389 x 183 x 635 mm
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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