

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.

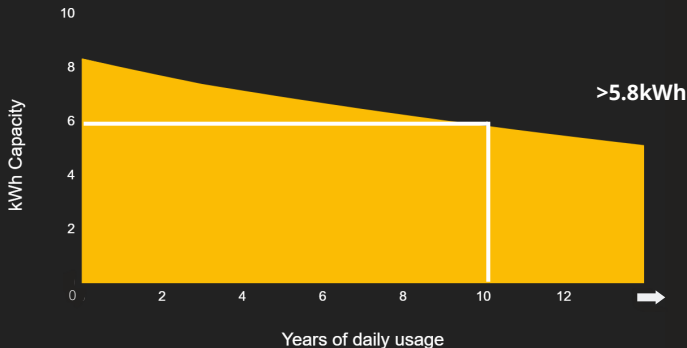
The flexible modular design enables it to be set up with multiple batteries.

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



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

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SS4083

SS4083 has been widely used in energy storage applications in the African market. The battery is produced with 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 |
| 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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