



SOLAR MD STORAGE PRODUCTS

Solar MD 3.7kWh SS4037 advanced Lithium-Ion battery

The SS4037 relies on Lithium Iron-Phosphate batteries for its streamlined energy storage.

The flexible modular design enables it to be set up with an unlimited number of batteries on the wall.

The SS4037 features different storage capacities, according to user specific requirements. Capacity can be increased through parallel connections of the batteries.



SYSTEM FEATURES

- ✓ SS4037 is a flexible solution from small to large configurations
- ✓ Support system parallel connection
- ✓ CAN communication
- ✓ Modular design

APPLICATIONS

- ✓ Residential PV Installations for household energy demands
- ✓ Residential and commercial UPS systems
- ✓ The Solar MD 3.7kWh is used with an external battery inverter
- ✓ OFF-GRID energy systems



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SS4037

The Solar MD standard battery – SS4037 has been widely used in energy storage applications in the African market. The battery is produced with world leading LiFePO4 technology.



BATTERY FEATURES

- ✓ Stable discharge platform
- ✓ Excellent safety
- ✓ Long lifecycle
- ✓ High energy density
- ✓ High charge and discharge rate
- ✓ High efficiency
- ✓ No pollution

SS4037	
Battery type	Lithium Iron Phosphate (LiFePO4)
Battery module	SS4037
Rated battery capacity	3.7 kWh
Output power	Max 5kW
Usable battery energy @0.3C	3.7 kWh
Nominal voltage	51.2V
Number of battery modules	1 module
Weight of SS4037	38 kg
Operational voltage	44.8-55.6 Vdc
Communication	CAN
Dimensions of SS4037 (mm)	Width 320 x depth 200 x height 630
Battery cycle life [+25°C]	> 4000
Charging efficiency	99%
Operational temperature	-5 °C to +50 °C
Transport	UN3480 & UN38.3
Storage duration	6 months at +25 °C
Safety standard compliance	IEC 62619 / UN 38.3 / UL1642
Cell Certificate	TUV / CE / RCM / UL1642