

Solar MD SS4074 advanced wall mount battery

The award winning Solar MD energy storage solutions have been widely used in energy storage applications in the African market.

Its revolutionary compact design achieves market-leading energy density that is scalable and allows for unlimited configurations The SS4074 is easy to install enabling owners to quickly realize the benefit of reliable, clean power.

System features



EASE OF INSTALLATION

Easy installation enables owners to quickly realize the benefits of reliable, clean power.



ADVANCED BATTERY MANAGEMENT

The intelligent battery management system of SolarMD is able to extend the life of the storage system up to 30%.



CAN COMMUNICATION

CAN communication for smart integration with inverters.



UNMATCHED RELIABILITY

The system's modular architecture allows load sharing between modules. In case of failure, the output power remains unaffected.



RAPID CHARGING

High Charge and discharge rate.



NO MAINTENANCE REQUIRED

Designed for the world's harshest condition, SolarMD's solution manufactured to the highest standards and requires no maintenance.



FUTURE-PROOF AND MODULAR

The modular design can easily be scaled up to meet tomorrow's energy needs. Power upgrades takes few seconds.

System features



Residential

Residential PV installations for self consumptions and UPS and systems.



Commercial

Utility peak shaving, Resilient Power Supply and Reliable back up solution.



Off grid application

OFF GRID energy projects

	SS4074
Battery type	Lithium Iron Phosphate (LiFePO4)
Battery module	SS4074
Rated battery capacity	7.4kWh
Output power	Max 5kW
Usable battery energy @0.3C	7.4kWh
Nominal voltage	51.2V
Number of battery modules	1 module
Weight of SS4074	76kg
Operational voltage	44.8-55.6 Vdc
Communication	CAN
Dimensions of SS4074 (mm)	Width 640 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

