

SOLAR MD STORAGE PRODUCTS

SOLAR MD 7.4KWH SS4074 ADVANCED LITHIUM-ION BATTERY



THE AWARD-WINNING SOLAR MD ENERGY STORAGE SOLUTIONS HAVE BEEN WIDELY USED IN ENERGY STORAGE APPLICATIONS IN THE AFRICAN MARKET.

THE FLEXIBLE MODULAR DESIGN ENABLES IT TO BE SET UP WITH AN UNLIMITED NUMBER OF BATTERIES ON THE WALL.

THE **SS4074** FEATURES DIFFERENT STORAGE CAPACITIES, ACCORDING TO USER SPECIFIC REQUIREMENTS. CAPACITY CAN BE INCREASED THROUGH PARALLEL CONNECTIONS OF THE BATTERIES.

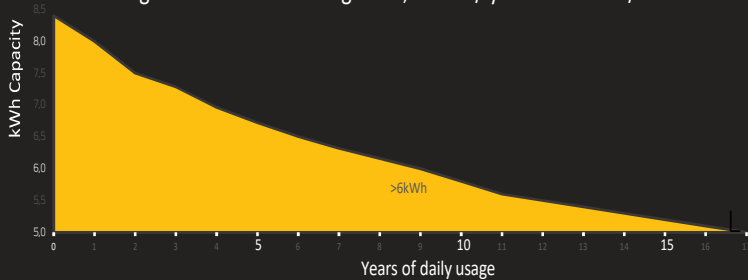
SYSTEM FEATURES

- ✓ SS4074 IS A FLEXIBLE SOLUTION FROM SMALL TO LARGE CONFIGURATION
- ✓ SUPPORT SYSTEM PARALLEL CONNECTION
 - ✓ CAN COMMUNICATION
 - ✓ MODULAR DESIGN

APPLICATIONS

- ✓ RESIDENTIAL PV INSTALLATIONS FOR HOUSEHOLD ENERGY DEMANDS
- ✓ RESIDENTIAL AND COMMERCIAL UPS SYSTEMS
- ✓ THE SOLAR MD 7.4KWH IS USED WITH AN EXTERNAL BATTERY INVERTER
 - ✓ OFF-GRID ENERGY SYSTEMS

Derating in kWh based on usage of 2,5 MWh/ year SS4074-11/ SS202 - 11



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05/2021

SS4074

THE ADVANCED SOLAR MD SS4074 BATTERY IS PRODUCED WITH WORLD LEADING LIFEPO4 TECHNOLOGY.



BATTERY FEATURES

- ✓ STABLE DISCHARGE PLATFORM
- ✓ EXCELLENT SAFETY
- ✓ LONG LIFECYCLE
- ✓ HIGH TEMPERATURE PERFORMANCE
- ✓ HIGH ENERGY DENSITY
- ✓ HIGH CHARGE AND DISCHARGE RATE
- ✓ HIGH EFFICIENCY

	SS4074 -11
Battery Type	Lithium Iron Phosphate (LiFePO4)
Battery Module	SS4074 -11
Rated Battery Capacity	8kWh
Output Power	Max5kW
Usable Battery Energy @0.3C	7.4 kWh
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°)	>4000
Charging Efficiency	99%
Operational Temperature	-5°C to +50°C
Transport	UN3480 & UN38.3
Storage Duration	6 months at +25°C
Safety Standart Compliance	IEC 62619 / UN 38.3 / UL1642
Cell Certificate	TUV / CE / RCM / UL1642



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