

SOLAR MD STORAGE PRODUCTS

SOLAR MD 3.7KWH SS4037 ADVANCED LITHIUM-IOM 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 **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 CONFIGURATION
- ✓ SUPPORT SYSTEM PARALLEL CONNECTION
- ✓ RAPID CHARGING
- ✓ CAN COMMUNICATION
- ✓ MODULAR DESIGN
- ✓ EASE OF INSTALLATION
- ✓ FUTURE-PROOF AND MODULAR

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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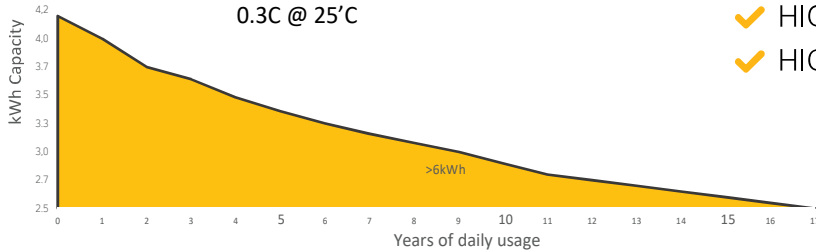
SS4037

THE ADVANCED SOLAR MD SS4037 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

Derating in kWh based on usage of 1.25 MWh/ year SS4037-11
0.3C @ 25°C



SS4037 - 11	
Battery Type	Lithium Iron Phosphate (LiFePO4)
Battery Module	SS4037- 11
Rated Battery Capacity	4 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 Standart Compliance	IEC 62619 / UN 38.8 / UL 1642
Cell Certificate	TUV / CE / RCM / UL1642



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