

# 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.

INTEGRATED BATTERY MANAGEMENT SYSTEM FOR MONITORING AND PROTECTION.

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
- ✓ 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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# SOLAR MD STORAGE PRODUCTS



## SS4037

**SS4037 HAS BEEN WIDELY USED IN ENERGY STORAGE APPLICATIONS IN THE AFRICAN MARKET. THE BATTERY IS PRODUCED WITH WORLD LEADING LIFEP04 TECHNOLOGY.**

## BATTERY FEATURES

- ✓ **STABLE DISCHARGE PLATFORM**
- ✓ **EXCELLENT SAFETY**
- ✓ **LONG LIFECYCLE**
- ✓ **HIGH TEMPERATURE PERFORMANCE**
- ✓ **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	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 38.8 / UL 1642
Cell Certificate	TUV / CE / RCM / UL1642



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