

# SOL-SMD-SS4143

## SOLAR MD 14.3 KWH SS4143 ADVANCED LITHIUM-ION BATTERY



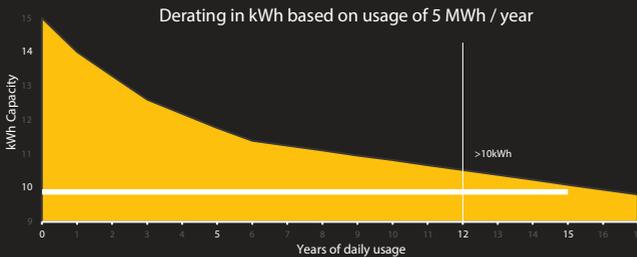
THE SS4143 RELIES ON LITHIUM IRON-PHOSPHATE BATTERIES FOR ITS STREAMLINED ENERGY STORAGE.

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

THE SS4143 FEATURES DIFFERENT STORAGE CAPACITIES, ACCORDING TO USER SPECIFIC REQUIREMENTS. CAPACITY CAN BE INCREASES THROUGH PARALLEL CONNECTION OF THE BATTERIES.

## APPLICATIONS

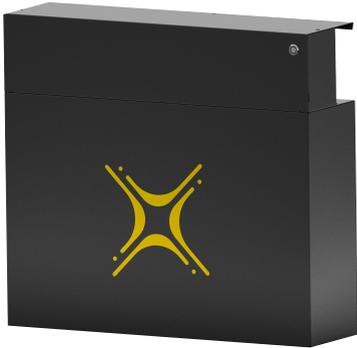
- ✓ RESIDENTIAL PV INSTALLATIONS FOR HOUSEHOLD ENERGY DEMANDS
- ✓ RESIDENTIAL AND COMMERCIAL UPS SYSTEMS
- ✓ THE SOLAR MD 14.3KWH IS USED WITH AN EXTERNAL BATTERY INVERTER
- ✓ OFF-GRID ENERGY SYSTEMS



Guarantee on product material and workmanship



energy output warranty



## SS4143

THE SOLAR MD STANDARD BATTERY - SS4143 HAS BEEN WIDELY USED IN ENERGY STORAGE APPLICATIONS IN THE AFRICAN MARKET. THE BATTERY IS PRODUCED WITH THE WORLD LEADING CATL LIFEPO4 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

SS4143	
Battery Type	Lithium Iron Phosphate (LiFePO4)
Battery Module	SS4143
Rated Battery Capacity	14.3kWh
Output Power	Max 10kW
Usable Battery Energy @0.3C	13kWh
Nominal Voltage	51.2V
Number of Battery Modules	1 module
Weight of SS4144	96kg
Operational Voltage	44.8-55.6 Vdc
Communication	CAN
Dimensions of SS4144 (mm)	Width 650 x depth 210 x height 600
Battery Cycle Life (+25°)	>6000
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