

### Solar Photovoltaic Module

#### Product Description

SSM-72M5 is a high performance module produced in accordance with the highest international quality standards such as ISO9001 and IEC61215.

Our manufacturing process assures the highest efficiency levels by carrying out constant quality controls throughout the production process.

This results in a high efficiency solar PV module consisting of 72 monocrystalline silicon cells of 125 x 125 mm, that can also be tailored to the special requirements of our customers.

#### Settings and Advantages

- High efficiency monocrystalline silicon cells
- Durable anodized aluminum alloy frame
- High luminous low iron hardened glass
- Anti-ageing EVA and anti-climate TPT
- High conversion efficiency, long life, convenient installation, wind protections, hail-stone protection
- 25 year power output warranty

#### Solar Applications

- Solar Autonomus Systems (SAS)
- Solar Farm Installations (SFI)
- Solar Irrigation Systems (SIS)
- Solar Portable Systems (SPS)
- Solar Rooftop Installations (SRJ)
- Solar Street Lights (SSL)
- Solar Water Purification (SWP)

**195 Wp**  
**SSM - 72M5**



**SUNCO ENERGIAS RENOVABLES S.L.**

Ronda Sant Pere, 11 ppa 1º  
08010 Barcelona (Spain)  
Tel. +34 933 271 111  
Fax. +34 933 271 101  
sunco@sunco.es  
www.sunco.es

### Solar Photovoltaic Module

**SSM - 72M5**  
195 Wp

Specifications	
Cell	Mono-cristaline 125 mm x 125 mm
No. of cells and connections	72 in series (6 x 12)
Weight	15,5 Kg
Dimensions	1580 x 808 x 40 (mm)
Carton	1645 x 878 x 110 (mm) / 2pcs
Pallets	1670 x 930 x 135 (mm) / 38 pcs
Produced in accordance with	IEC 61215 Ed.2 IEC61730
ROHS	IECQ Certification

Electrical Characteristics	
<b>Power</b>	<b>195 Wp</b>
Open circuit voltage	44.5 V
Maximum power voltage	36.7 V
Short circuit current	5.77 A
Maximum power current	5.34 A
Encapsulated solar cell efficiency	18.5 %
Insulation	>100 MΩ
Maximum system voltage	1000 V
Voltage standoff	AC 2000 DC 3000 V
Series fuse rating	10 A

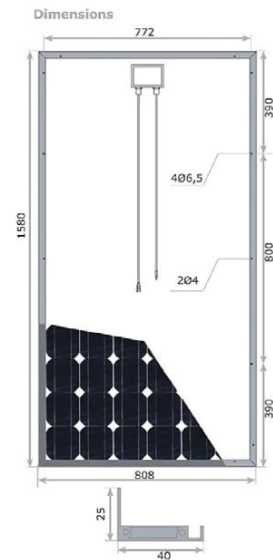
STC: Irradiance: 1000W/m², Module temperature 25°C, AM=1.5

Physical Characteristics	
Operating temperature	-40°C to +90°C
Storage temperature	-40°C to +90°C
Type of output terminal	Lead wire with connector
Pressure Bearing	≥ 2400Pa
Wind Bearing	≥ 5400Pa
Hail Impact Test	225g steel ball drops from height of 1m

Temperature Coefficients	
NOCT	45°C ± 2°C
Temperature coefficient of Isc	+0.046 % / °C
Temperature coefficient of Voc	-0.356 % / °C
Temperature coefficient of Pm	-0.46 % / °C
Power output Tolerance	±3%

\* Specifications included in this datasheet are subject to change without prior notice

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#### I-V Curves

