

# PHOTOVOLTAIC MODULE MONO 60 CELLS

## SDM60

300-310 W

**ALL BLACK PERC**

**MADE IN ITALY**



**POSITIVE** POWER OUTPUT TOLERANCE 0/+5 W<sub>p</sub>



**EXCELLENT PERFORMANCE**  
UNDER DIFFERENT LIGHT CONDITIONS



**30 YEARS** LINEAR POWER WARRANTY  
**20 YEARS** PRODUCT WARRANTY



**IP67** JUNCTION BOX



COMPACT AND ULTRA-LIGHT **ALUMINUM FRAME**  
THICKNESS: 40mm

IEC 61215:2016 |  
EN 61730-1:2016 | EN 61730-2:2016 |  
FIRE TEST MST23 CLASS C  
IEC 62716:2013 | IEC 61701:2011  
ECOEM | CE |

UNI EN ISO 9001:2015  
UNI EN ISO 14001:2015  
UNI EN BS OHSAS 18001:2007

FACTORY INSPECTION MADE IN EU

MCS APPROVED PRODUCT

THE STRENGTHS OF SOLARDAY® MODULES ARE ACHIEVED BY HIGH QUALITY PRIME MATERIALS AND PRODUCTION 100% MADE IN ITALIAN FACILITIES.

**BACKSHEET**  **front BLACK**  **back BLACK / WHITE**

**FRAME**  **BLACK**

**CELLS** **TYPE MONO**

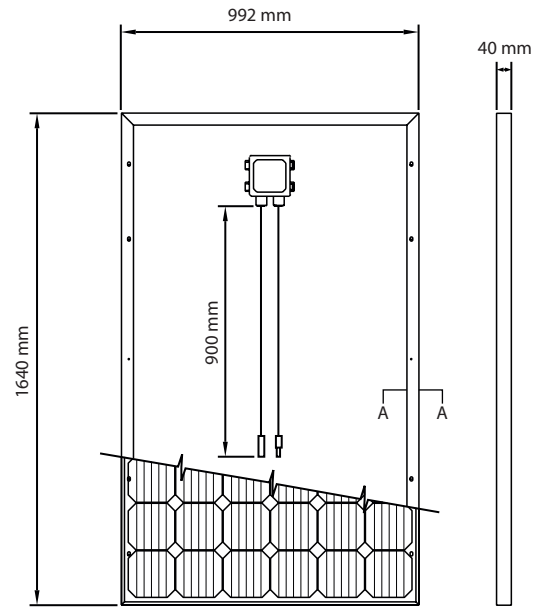
**QTY**  
**60 pcs (6x10)**

**DIMENSIONS**  
**156.75x156.75 mm | 6.2x6.2"**



### CHARACTERISTICS

Length:	1640 mm
Width:	992 mm
Thickness:	40 mm
Weight:	18 Kg
Material of Cells:	Monocrystalline Silicon <b>PERC</b>
Dimensions of Cells:	156.75 x 156.75 mm
Qty of Cells:	60 (6x10)
Frontal Glass:	Glass with low iron content, thickness 3.2 mm
Encapsulant:	EVA (Ethylene Vinyl Acetate)
Backsheet:	PYE/PPE
Frame:	Anodized aluminum 15 micron
Junction Box:	1 Junction box IP67 - 1500 V with 3 by pass diodes
Connectors:	MC4 or compatible connector
Cables:	Unipolar Type, Length 900mm - Sec: 4.0 mm <sup>2</sup>



### PACKAGING

Pallet Dimensions:	1700x1100x1200 mm (possibility to stack up to two)
Pcs per Pallet:	27 pcs
Weight:	516 Kg

### ELECTRICAL CHARACTERISTICS\*

		300W	305W	310W
Nominal Output(0/+4.99W):	Pmax (W)	300	305	310
Max. Voltage:	Vmpp (V)	32.06	32.18	32.30
Max. Current:	Impp (A)	9.36	9.48	9.60
Open Circuit Voltage:	Voc (V)	40.12	40.24	40.37
Short Circuit Current:	Isc (A)	9.73	9.85	9.98
Max. System Voltage:	V	1500	1500	1500
Module Efficiency:	%	18.44	18.75	19.05

\*STC:1000W/m<sup>2</sup> - AM 1,5 - 25°C

### TEMPERATURE CHARACTERISTICS

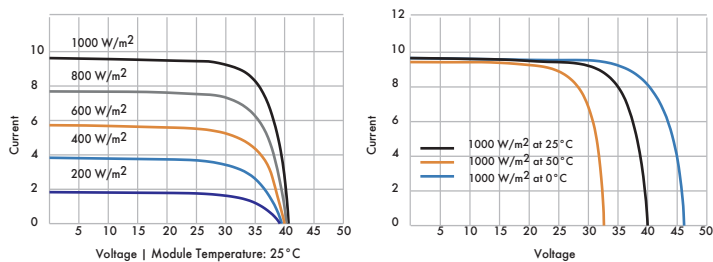
Temperature Coeff. of Voc:	-0,31 % / °C
Temperature Coeff. of Isc:	+0,04 % / °C
Temperature Coeff. of Pmax:	-0,39 % / °C
NOCT:	43 ± 2 °C

### OPERATIVE CHARACTERISTICS

Operating Temperature:	from -40 °C to + 85 °C
Max. Superficial Load:	Over 5400 Pa
Hailstorm Resistance:	Ø 28 mm, 86 Km/h
Fire Test MST 23:	Class C

### CURRENT/VOLTAGE CHARACTERISTICS

VALUES APPLY TO MODULE 305W



### LINEAR PERFORMANCE WARRANTY

20 YEARS Product Warranty | 30 YEARS Linear Power Warranty

