

PHOTOVOLTAIC MODULE

# SDM60 ALL BLACK



**BACKSHEET**  
back: BLACK/WHITE



front: BLACK



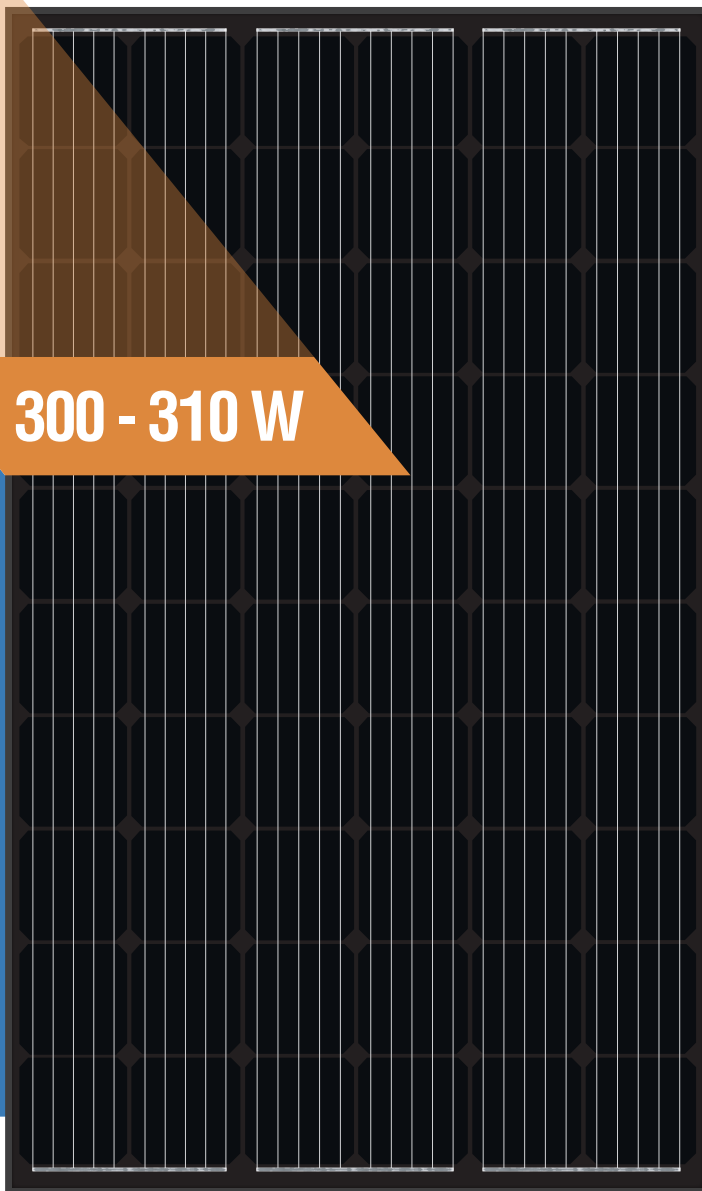
**FRAME BLACK**

**TYPE**  
MONO 5BB PERC

**QTY**  
60 pcs (6x10)

**DIMENSIONS**  
156.75 x 156.75 mm | 6.25 x 6.25"

**300 - 310 W**



**MADE IN ITALY**



**EXCELLENT PERFORMANCE**  
UNDER DIFFERENT LIGHT CONDITIONS



**POSITIVE POWER OUTPUT TOLERANCE 0/+5 Wp**



**IP67** JUNCTION BOX



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



**LINEAR PERFORMANCE WARRANTY**

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

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

**CERTIFICATIONS:**

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  
UNI EN ISO 45001:2018

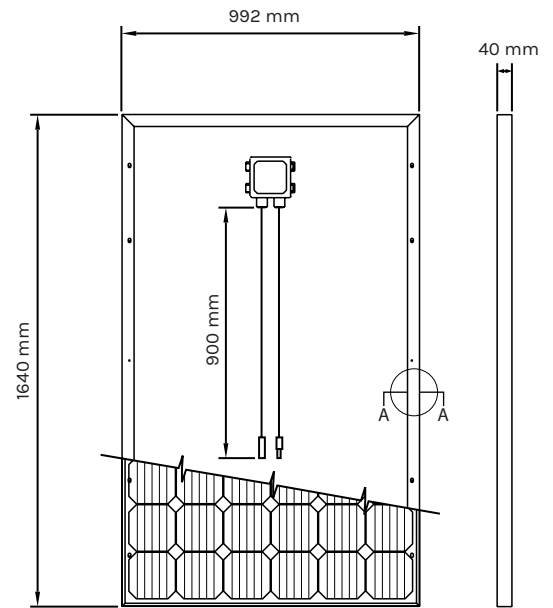
**FACTORY INSPECTION MADE IN EU**



[WWW.SOLARDAY.IT](http://WWW.SOLARDAY.IT) | [INFO@SOLARDAY.IT](mailto:INFO@SOLARDAY.IT)

## 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 (Etilen Vinil Acetato)
Backsheet:	PYE/TPT
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:	Imp (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
Maximum nominal amperage value of fuse:	A	15	15	15

\*STC:1000W/Mq - AM 1,5 - 25°C

## TEMPERATURE CHARACTERISTICS

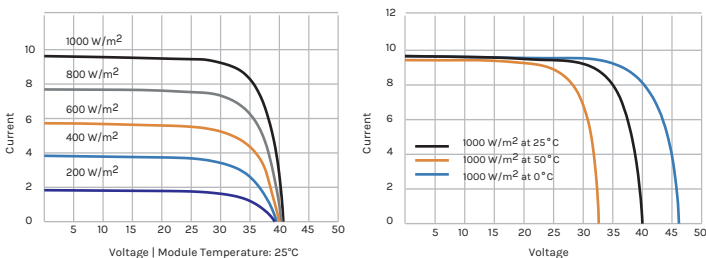
Coeff. Temperatura VOC:	-0,31 % / °C
Coeff. Temperatura Isc:	+0,04 % / °C
Coeff. Temperatura Pmax:	-0,39 % / °C
NOCT:	43 ± 2 °C

## OPERATIVE CHARACTERISTICS

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

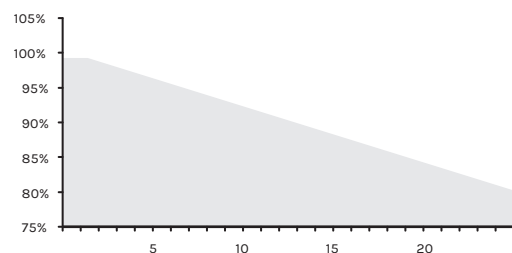
## CURRENT/VOLTAGE CHARACTERISTICS

VALUES APPLY TO MODULE 305W



## LINEAR PERFORMANCE WARRANTY

20 YEARS Product Warranty | 30 YEARS Linear Power Warranty



FOR MORE DETAILED INSTRUCTIONS, SEE THE INSTALLATION MANUAL

