RECOM - SILLIA

MONO CRYSTALLINE MODULE

285 / 290 / 295 / 300 / 305 / 310 Watts

Series 60M: 285 to 310 Wp

Overview

A fully certified, premium quality and high efficiency module made with A Grade materials manufactured in France. Guaranteed positive tolerance of up to 5W.

Quality
- ISO 9001 Certification
- Holder of the mark "Certisolis"

Components
- Certified suppliers
- Strict criteria for the selection of cells (Europe and Asia)
- MC4 Type connectors

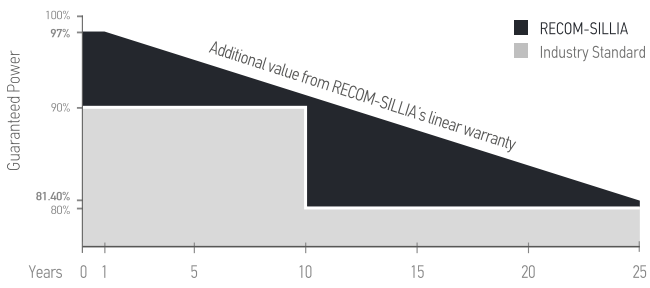
Tech
- IEC 61215 and 61730 parts I and II
- Load resistance -5400 pa
- Hail impact resistance class 4
- Max voltage 1000V/1500V

Warranty
- Product: 15 years
- 1 Year: Mono (97%) / Poly (98%)
- 10 Years: 90% / 25 years: 80% (linear)
- Product liability insurance provided by Allianz

Environment
- Regulated carbon footprint
- Member of PV Cycle
- OHSAS 18001 and ISO14001 Std.

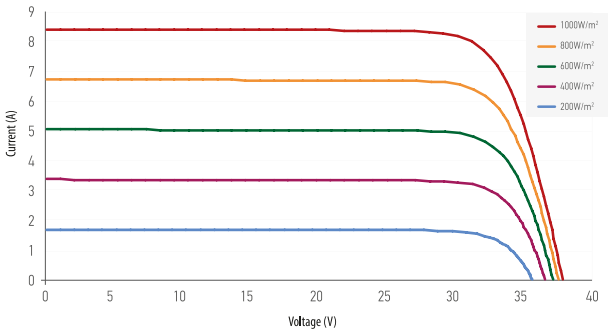
Product
- Class 285-310 Wp -0/+4.99 Wp
- Poly or Mono cells
- 60 or 72 cells per module

Linear Performance Warranty



First Year Output	≥ 97%	2-24 Year Decline	≤ 0.65%	25 Year Output	≥ 81.40%

I-V Curve



The module relative power loss at low light irradiance of 200W/m² is less than 3%

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60MXXX (xxx=285-310)

Electrical Characteristics

Electrical Performance STC (1)		60M285	60M290	60M295	60M300	60M305	60M310
PMPP	[W]	285	290	295	300	305	310
Module Efficiency	[%]	17.34	17.65	17.95	18.25	18.56	18.86
VMPP	[V]	31.52	31.61	31.86	32.04	32.21	32.35
IMPP	[A]	9.04	9.17	9.26	9.37	9.48	9.56
VOC	[V]	38.67	38.90	39.05	39.23	39.42	39.60
ISC	[A]	9.52	9.61	9.69	9.78	9.86	9.95
Electrical Performance NOCT (2)		60M285	60M290	60M295	60M300	60M305	60M310
PMPP	[W]	208.00	211.00	215.00	219.00	223.00	226.00
VMPP	[V]	28.78	28.86	29.09	29.25	29.41	29.52
IMPP	[A]	7.23	7.33	7.41	7.50	7.58	7.65
VOC	[V]	35.7	35.91	36.04	36.21	36.39	36.56
ISC	[A]	7.68	7.75	7.81	7.88	7.95	8.02
Electrical Performance Low Irradiation (3)		60M285	60M290	60M295	60M300	60M305	60M310
PMPP	[W]	54.60	55.40	56.60	57.50	58.50	59.30
Maximum Series Fuse	[A]	15	15	15	15	15	15
Maximum System Voltage	1.000 VDC (IEC) - 1.000 VDC (UL) / 1.500 VDC (upon request)						

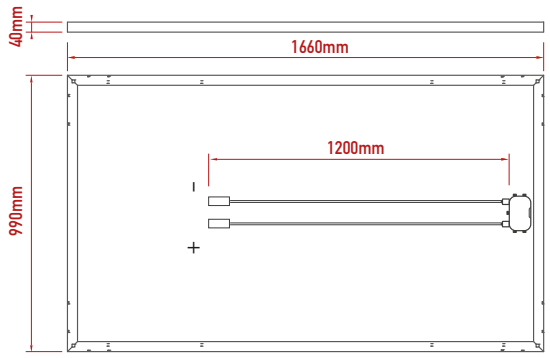
Tolerance measurements may be vary to +/-2.5% *Classification type: 0/+5Wc or customized*

(1) Values corrected according to standardized test conditions STC: solar irradiance of 1000 W/m^2; AM 1.5; cell temperature 25°C.
(2) Values corrected according to test conditions NOCT: solar irradiance of 800 W/m^2; AM 1.5, NOCT cell temperature.
(3) Corrected values according to low Irradiation test conditions: solar irradiance of 200 W/m^2; AM 1.5; cell temperature 25°C.

Mechanical Data

Dimensions	1660mm x 990mm x 40mm
Weight	18.0 Kg
Frame	Anodized aluminum
Front Glass	Tempered glass (EN12150)
Backsheet	PET synthetic film
Junction Box	IP67, 3 bypass diodes
Cells	Monocrystalline silicon 6
Connectors	GZX / MC4

Dimensions



Temperature Characteristics

Pmax Temperature Coefficient	-0.40% / ºC
Voc Temperature Coefficient	-0.30% / ºC
Isc Temperature Coefficient	+0.04% / ºC
Operating Temperature	-40ºC /+ 85ºC
Nominal Operating Cell Temperature (NOCT)	47ºC

Packing Configuration

Pieces per Pallet	22
Pallets per Truck	30
Pieces per Truck	660

Additional options

- Silver white module or full black
- MC4 compatible (standard) or Multicontact MC4
- Anti-reflective glass (3.2mm thick) or near airport use (4mm thick)

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RECOM-SILLIA assumes no liability or responsibility for any typographical error, layout error, misinformation, any other error, omission, contained herein.

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