

RECOM - SILLIA

French Manufacturer of Photovoltaic Modules

S\$rieσ 60P: 265 ÷ 285 Wμ "Plus"

S\$rieσ 60P: 250 ÷ 270 Wμ

S\$rieσ 60M: 295 ÷ 320 Wμ "Plus"

S\$rieσ 60M: 265 ÷ 285 Wμ

S\$rieσ 72P: 315 ÷ 335 Wμ "Plus"

S\$rieσ 72P: 300 ÷ 325 Wμ

S\$rieσ 72M: 355 ÷ 380 Wμ *tPŲσ*

S\$rieσ 72M: 315 ÷ 335 Wμ



Quality

Certification ISO 9001
Holder of the mark "Certisolis"



Components

Certified suppliers
Strict criteria for the selection of cells (Europe and Asia)
Anti reflective glass, MC4 Type connectors
Silver white and full black modules



Product

IEC 61215 and 61730 parts I and II
Load resistance -5400 pa
Hail impact resistance class 4
Max voltage 1500V (optional)



Warranty

Product: 12 years
1 year: Poly (98,5%),
Poly "Plus"/Mono (97,5%), Mono "Plus" (97%)
10 years at 90%, 25 years at 80% (linear)



Environment

Controlled carbon footprint
PV-Cycle member
OHSAS 18001 and ISO 14001



Environment

Class 250-380Wp -0/+4,99Wp
Poly or Mono cells
60 or 72 cells per module

This document has been written according to the EN 50380-2003 standard



Series 60P: Polycrystalline Silicon modules 60 cells "Plus"

Electrical Performance STC ⁽¹⁾		60P265	60P270	60P275	60P280	60P285
P_{MPP}	[W]	265	270	275	280	285
Module Efficiency	[%]	16,13	16,43	16,74	17,04	17,35
V_{MPP}	[V]	30,80	31,06	31,28	31,51	31,74
I_{MPP}	[A]	8,60	8,69	8,79	8,89	8,99
V_{OC}	[V]	37,98	38,23	38,44	38,67	38,90
I_{CC}	[A]	9,15	9,23	9,32	9,41	9,49
Electrical Performance NOCT ⁽²⁾		60P265	60P270	60P275	60P280	60P285
P_{MPP}	[W]	192,0	195,6	199,2	202,9	206,5
V_{MPP}	[V]	28,66	28,95	29,24	29,52	29,81
I_{MPP}	[A]	6,76	6,83	6,89	6,95	7,01
V_{OC}	[V]	35,40	35,66	35,92	36,18	36,44
I_{CC}	[A]	7,25	7,30	7,35	7,41	7,46
Electrical Performance Low Irradiation ⁽³⁾		60P265	60P270	60P275	60P280	60P285
P_{MPP}	[W]	50,1	51,0	51,9	52,9	53,8

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 1000W/m²; AM 1.5; cell temperature 25°C.

(2) Values corrected according to test conditions NOCT: solar irradiance of 800 W / m²; AM 1.5, NOCT cell temperature.

(3) Corrected values according to Low Irradiation test conditions: solar irradiance of 200 W / m²; AM 1.5; cell temperature 25°C.

Given the continuous evolution of our products, these values are indicative and subject to modifications without prior information.

Thermal coefficients	
Coeff. / I_{CC}	+ 0,04 %/K
Coeff. / V_{OC}	- 0,30 %/K
Coeff. / P_{MPP}	- 0,40 %/K
NOCT: 47°C	

Connection conditions	
Protection class II, IP 65	Maximum Voltage: 1000V
Operating temperature: -40°C / +85°C	
Reverse current max: 15 A	
Fuse series: 15 A	

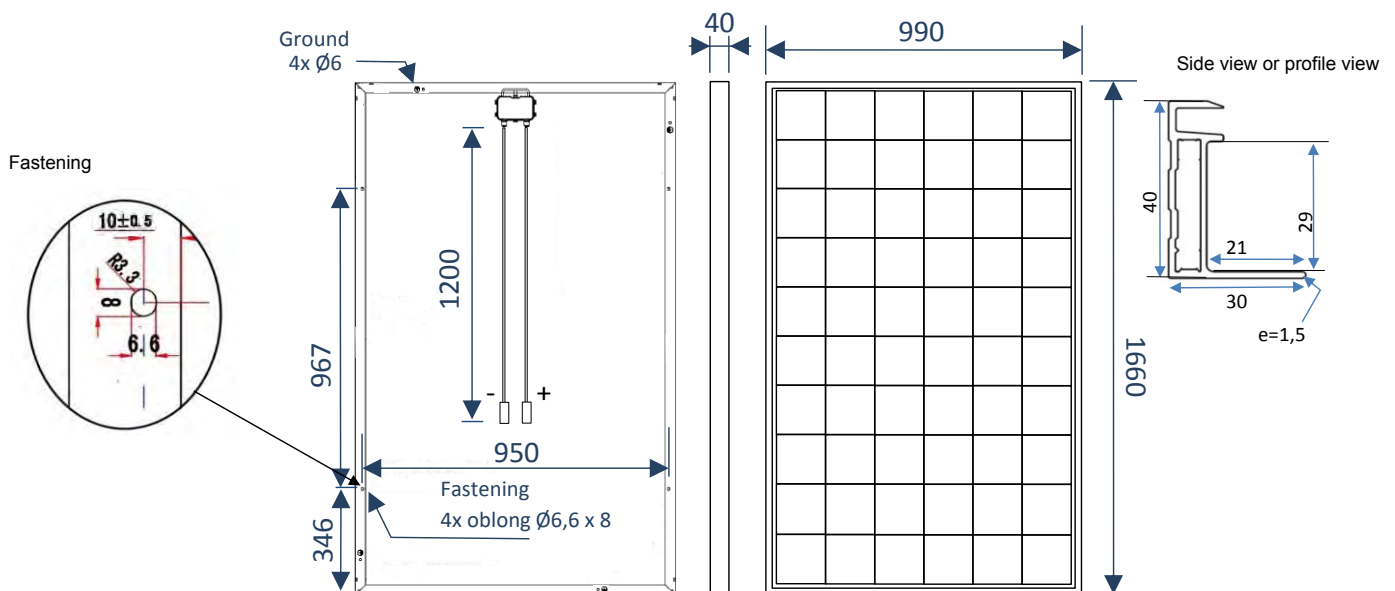


refer also to the installation instructions

Technical data and dimensions

Frame: Aluminium anodized
Front side: Tempered glass (EN12150)
Backsheet: PET synthetic film
Weight of the module: 18 kg

Junction box: IP65, 3 bypass diodes
Cells: Monocrystalline silicon 6 "
Connectors: MC4 Type



Dimensions in mm
 Solar panel orientation: portrait or landscape*

dimensional tolerance +/- 1 mm

Please select upon placing an order

Color Backsheet / Frame:
Connectors:
Type of Glass:

☐ White / Aluminum
☐ MC4 compatible (standard)
☐ Anti-reflective 3,2mm

☐ Black / Black
☐ Multicontact MC4
☐ Near airport use, thickness 4 mm (1)

(1) Module weight: 20kg