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EnergyPal

Solar Panel Guide Specification Data Sheet

Europe Solar Production Sp. z o.o.

SL606 260-285

SL606-285

Also available on the web at
EnergyPal.com/europe-solar-production-sp-z-o-o-solar-panels/sl606-285

SL606 260-285 WATT POLY CRYSTALLINE MODULE



260 - 285 Wp Power Output Range
Positive power tolerance of 0/+3%
Maximum efficiency of 17,3%
60 cells polycrystalline mudule



Excellent Low Irradiance Performance

- Advanced surface texturing
- Back surface field
- Selctive emitter

Maximize Limited Space

- 60-cell module power output up to 285 Wp
- Up to 174 W/m² power density



High reliable due to stringest quality control

- All modules have to pass electroluminescence (EL) inspection
- Over 10 in-house tests (UV, TC, ISO,)
- Excellent PID resistance
- 1000 V UL/1000 IEC certified.



Certified to withstand severe environmental conditions

- Anti-reflective & anti-soiling minimise power loss from dirt and dust
- Severe salt mist, ammonia & blown sand resistance, for seaside, farm and desert environments
- Excellent mechanical load 2400 Pa (130 Km/h) & snow load 5400 Pa resistance (900 Kg) per module

Warranty

25
YEARS

Linear power output warranty

12
YEARS

Guarantee manufacturing product defect

MANAGEMENT SYSTEM CERTIFICATES

ISO 9001: 2008: Quality Management System
 ISO14001: 2004 : Standards for Environmental Management System
 OHSAS 18001: 2007: Occupational Health and Safety Management System

PRODUCT CERTIFICATES

IEC61215/IEC61730/IEC61701/IEC62716
 UL 1703



PVM-SOLAR PRODUCTION U.G

Address: FRANZ-JOSEPH STR 11, 80801 MUNICH



SOLAICO - UNION COMPOSITES S.L.

Address: P. Ind. "Algars" - C/ Vall d'Albaida, 7
 Cocentaina, 03820 Alicante (España)



www.europe-solarproduction.com



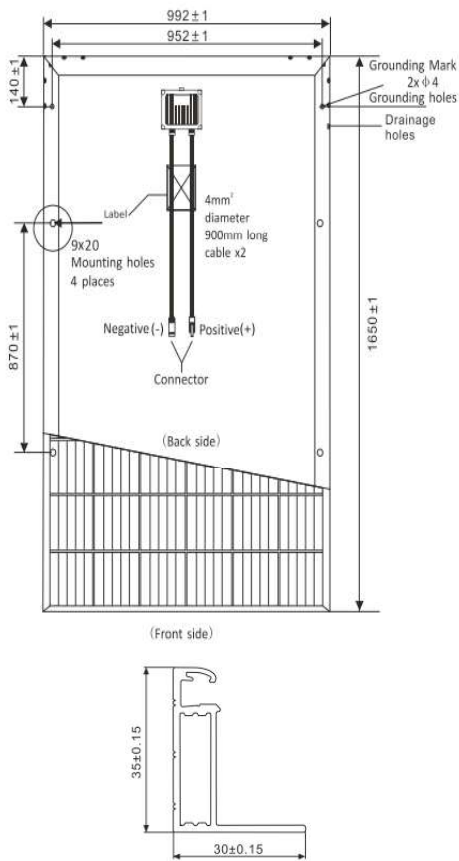
KEY SALIENT FEATURES

LINEAR PERFORMANCE WARRANTY

12 Years Product Warranty / 25 Years Linear Power Warranty

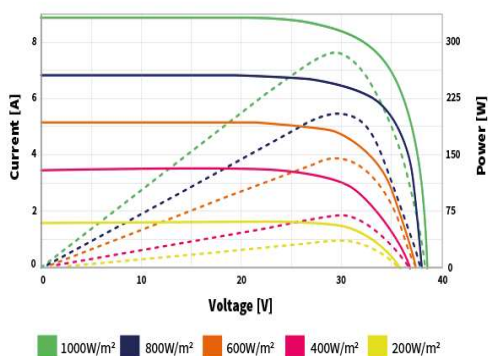
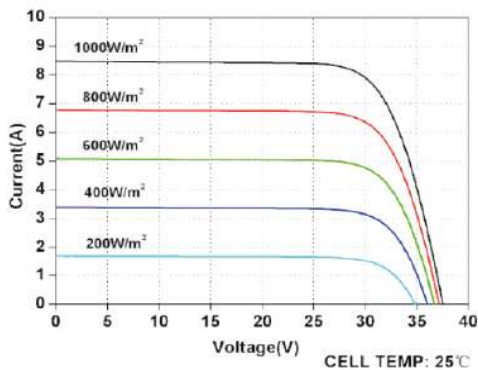


SL 606 260P-285P PV MODULES



SL 606-285 Wp

I-V characteristics at different irradiances



ELECTRICAL DATA@STC	SL606-260	SL606-265	SL606-275	SL606-280	SL606-285
Peak Power Watts - Pmax (Wp)	260	265	275	280	285
Power Output Tolerance- Pmax (W)	0/+3	0/+3	0/+3	0/+3	0/+3
Maximum Power Voltage- V _{mpp} (V)	30.7	30.8	31.1	31.4	31.5
Maximum Power Current- I _{mpp} (A)	8.34	8.41	8.52	8.61	8.73
Open Circuit Voltage- V _{oc} (V)	38.12	38.12	38.12	38.12	38.12
Module Efficiency η _m (%)	16.8	16.9	17.1	17.2	17.3
Short Circuit Current (A)	12.2	12.2	12.2	12.2	12.2

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5
* Measuring tolerance: ±3%

ELECTRICAL DATA@NOCT	SL606-260	SL606-265	SL606-275	SL606-280	SL606-285
Peak Power Watts - Pmax (Wp)	260	265	275	280	285
Maximum Power Voltage- V _{mpp} (V)	28.6	28.7	28.9	29.0	29.2
Maximum Power Current- I _{mpp} (A)	6.89	6.97	7.03	7.10	7.18
Open Circuit Voltage- V _{oc} (V)	36.2	36.2	36.2	36.2	36.2
Short Circuit Current (A)	12.5	12.5	12.5	12.5	12.5

NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1 m/s.

MECHANICAL DATA

Solar Cells	Multicrystalline 156.75 × 156.75 mm
Cell Orientation	60 cells (6 x 10)
Module Dimensions	1650 × 992 × 35 mm
Weight	18.6 kg
Glass	3.2 mm, high transparency, AR coated and heat tempered solar glass
Backsheet	White
Frame	Silver Anodized Aluminium Alloy
J-Box	IP 67 or IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm², 1000 mm
Connectors	EU Countries: 28 MC4 / UTX / TS4, Non-EU Countries: 28 QC4 / TS4

TEMPERATURES RATINGS

Nominal Operating Cell (NOCT)	44°C (+-2K)
Temperature Coefficient of Pmax	-0,41 %/°C
Temperature Coefficient of Voc	-0,31 %/°C
Temperature Coefficient of Isc	0,05 %/°C

MAXIMUM RATINGS

Operational Temperature	-40 tp +85 °C
Temperature Coefficient of Pmax	1000 VDC (IEC) 1000 VDC (UL)
Max. Series Fuse Rating	15 A
Mechanical Load	5400 Pa
Wind Load	2400 Pa

WARRANTY

12 years Product Warranty
25 years Linear Performance Warranty

PACKAGING CONFIGURATION

Modules per box: 26 pieces
Modules per 40' container: 728 pieces (28 units/container)