

DOUBLE GLASS

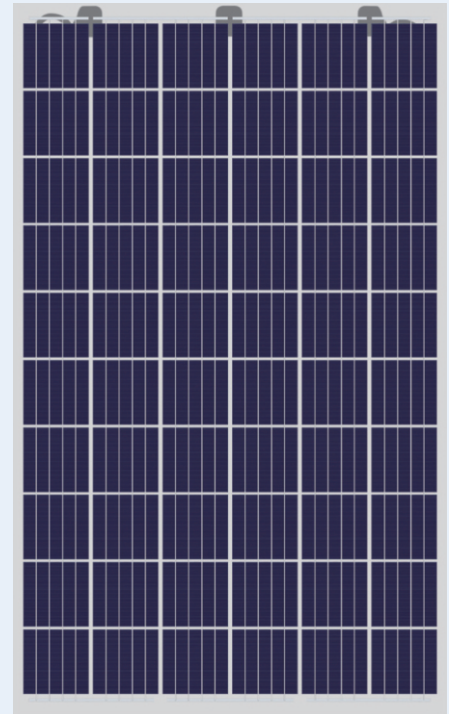


PERLIGHT

Powering Possibilities

PLM-260P-60DG SERIES

Polycrystalline Silicon Solar Module



PERLIGHT SOLAR

Founded in 2006, Perlight is a Global Solar Energy provider with a presence in more than 80 countries around the world. More than 1.5GW of Perlight modules have been used in residential, commercial and off-grid systems around the world.

Perlight's success has been built on proven product performance and reliability, state of the art technology and long term partnerships with key customers.

18.0% -19.0%
CELL EFFICIENCY

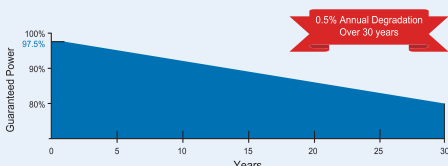
0 -3%
POWER TOLERANCE

POWER WARRANTY

30 YEAR 80% Power Output Warranty

12 YEAR 90% Power Output Warranty

12 YEAR Material & Workmanship Warranty



Improved durability

- PID resistant and free of snail trails
- Increased module robustness to minimize micro-cracks



Enhanced safety

- Fire class A certified by TUV according to fire test IEC 61730-2
- Certified for fire type 13 (UL 1703)



Increased value

- Higher maximum system voltage reduces BOS costs
- 30 year linear warranty
- Higher light transmission creates more value for carport and greenhouse applications



Certified to withstand the most challenging environmental conditions

- Module coating resistant to sand, acid, and alkali
- 2400 Pa wind load* ▪ 5400 Pa snow load*
- 35mm hail stones at 97km/h

POLY DOUBLE GLASS, 60-CELL SERIES

ELECTRICAL PERFORMANCE

Module type	PLM-260P-60DG						
Power output	P_{max}	W	250	255	260	265	270
Power output tolerances	ΔP_{max}	%	0 - 3				
Voltage at Pmax	V_{mpp}	V	30.57	31.03	31.37	31.71	32.00
Current at Pmax	I_{mpp}	A	8.18	8.22	8.29	8.36	8.44
Open-circuit voltage	V_{oc}	V	37.63	37.83	37.97	38.13	38.38
Short-circuit current	I_{sc}	A	8.90	8.97	9.05	9.10	9.13
Solar Module Efficiency	Eff.	%	15.20	15.50	15.81	16.11	16.42

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.

ELECTRICAL DATA (NOCT)

Maximum Power- P_{MAX} (Wp)	185.40	189.70	193.80	197.60	200.50
Maximum Power Voltage- V_{MPP} (V)	27.60	27.90	28.20	28.50	28.80
Maximum Power Current- I_{MPP} (A)	6.71	6.79	6.88	6.94	6.96
Open Circuit Voltage- V_{oc} (V)	34.80	34.90	35.00	35.20	35.40
Short Circuit Current- I_{sc} (A)	7.20	7.26	7.33	7.37	7.39

MECHANICAL DATA

Solar cells	Multicrystalline 156×156mm (6 inches)
Cell orientation	60 cells (6×10)
Module dimensions	1658×992×6mm (1658×992×25mm with junction box)
weight	23kg
front Glass	2.5mm, High Transmission, AR Coated and Heat Strengthened Glass
EVA	Clear / White
Back Glass	Heat Strengthened Glass, 2.5mm
Frame	Frameless
J-Box	IP 67
Cables	Photovoltaic Technology cable 4.0mm ² (0.006 inches ²), Portrait: 250/130mm, Landscape: 1150/1150mm.
Connector	UTX Amphenol
Fire Type	Type 13

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C (±2°C)
Temperature Coefficient of P_{MAX}	- 0.41%/°C
Temperature Coefficient of V_{oc}	- 0.32%/°C
Temperature Coefficient of I_{sc}	- 0.05%/°C

PACKAGING CONFIGURATION

Modules per box: 30 pieces
Modules per 40' container: 780 pieces



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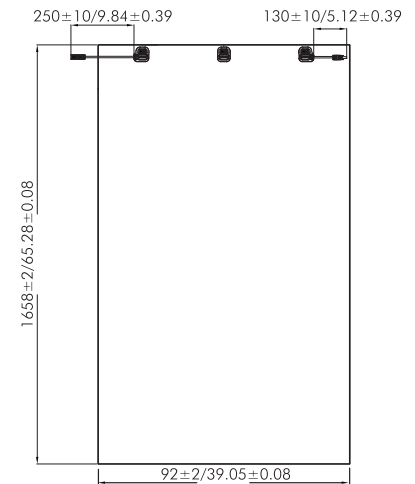
Perlight Partners

QUALIFICATIONS & CERTIFICATIONS

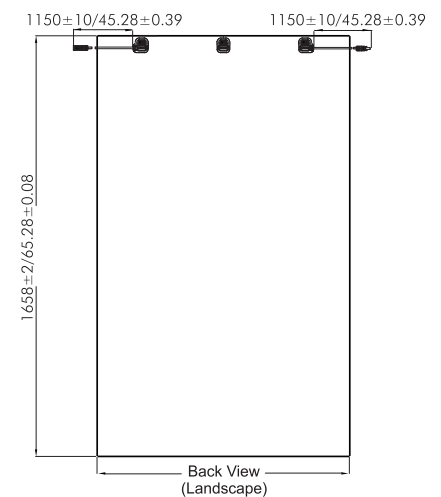
IEC 61215, IEC 61730, CE, IEC 62804 (PID Free), UL 1703, J-PEC, PV CYCLE, IEC/EN 61701, IEC 62716



Dimensions of Module (unit: mm)



Back View
(Portrait)



Back View
(Landscape)

Electrical Curves:

