

The Ultimate Project Panel
Polycrystalline
Smart-Ready Junction box

Powered by **Tigo**

Field replaceable diode cover
Lower junction box temperature
Upgradable to add functionality

Cover upgrade options:

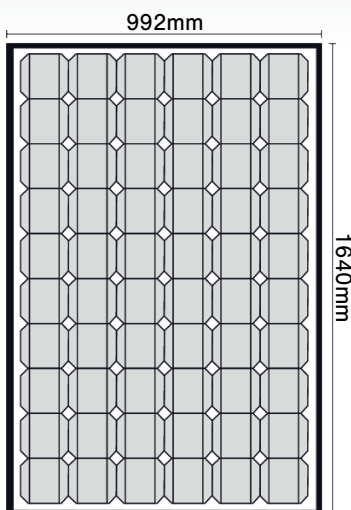
- Module-level monitoring
- Advanced Safety
- Optimisation
- Long Strings

Approved by all major inverter manufacturers



More Power per m²

- MCS Certified
- Positive output tolerance
- Fire safety certified
- PID-Free certified
- Ammonia corrosion resistance certified
- Salt mist corrosion resistance certified
- Worldwide accreditation



Weight: 18kg



POLYCRYSTALLINE SERIES: 275W

60 CELL POLYCRYSTALLINE SILICON SOLAR MODULE

STATE OF THE ART HIGH EFFICIENCY

MANUFACTURING BASE

Perlight Solar Co.,Ltd
Mayu Administration District,
Wenling, Zhejiang,
317521, China
✉ jenny.uk@perlight.com

GLOBAL MARKETING CENTRE

Perlight Solar Co.,Ltd
E# 14th Floor, 58 Xinjinqiao Rd,
PuDong District, Shanghai,
200129, China
✉ enquiry@perlight.com

EU SALES & CUSTOMER CENTRE

Westtech Solar (UK) Ltd
Unit 1 Bobby Fryer Close,
Garsington Rd, Oxford,
OX4 6ZN
✉ info@westtech-solar.co.uk



+44 (0)1865 682 584
www.westtech-solar.co.uk



WESTTECH PERLIGHT

PERLIGHT SOLAR POLYCRYSTALLINE SERIES

PLM-275P-60 • 275W POLY SILVER

Module Specifications



Tigo



- Field replaceable
- Upgradable
- Advanced TS4 Baseplate
- Heat dissipated away from the module
- Applicable to Conventional & Smart Modules



Smart-Ready Diode Cover
as standard

MECHANICAL CHARACTERISTICS

Front cover	3.2mm Tempered ARC glass
Backsheet colour	White
Type of Cells	Poly 156x156mm
Number of Cells	60
Frame	Silver Anodised Aluminium
Junction box	TIGO TS4 IP67
Cables	900mm/4mm ²
Connectors	MC4 compatible IP67
Module dimensions	1640 x 992 x 35mm
Module weight	18kg

THERMAL CHARACTERISTICS

NOCT	°C	45±2
Temperature coefficient Pmax	%/°C	-0.40
Temperature coefficient Voc	%/°C	-0.30
Temperature coefficient Isc	%/°C	0.06
Temperature coefficient Vmpp	%/°C	-0.35

OPERATING CONDITIONS

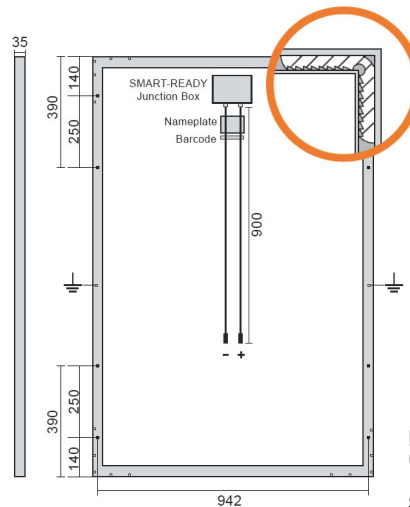
Max. system voltage	1000VDC
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g., wind)	2400Pa
Max. hailstone impact	25mm@23m/s

ELECTRICAL PERFORMANCE

Model Number	PLM-275P-60		
Power Output	Pmax	W	275
Voltage at Pmax	Vmp	V	31.54
Current at Pmax	Imp	A	8.72
Open-circuit voltage	Voc	V	38.49
Short-circuit current	Isc	A	9.16
Solar Module Efficiency	%		16.9
Power Tolerance	%		-0/+3

STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5g spectrum according to EN 60904-3.

MODULE FRAME



All measurements in mm
Mounting-hole size: Ø9*14

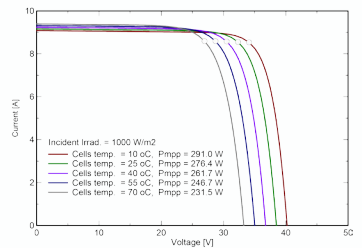
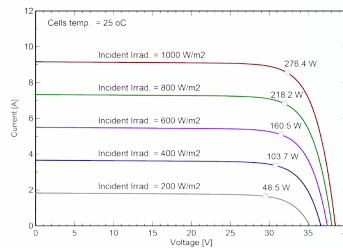
- Extremely reliable screw-less, interconnected frame for long-term flexibility and strength.
- 8 mounting holes for direct mounting option.
- Suitable for Insertion System on both long and short sides.
- 20 in-built drainage water-spouts.
- 2 earth (ground) points.
- Tempered ARC (anti-reflective) Front Glass.

Long Side Clamping Zones:
0mm to 410mm from edge.

Short Side Clamping Zones:
0mm to 248mm from edge.

ELECTRICAL CURVES

PLM-275P-60



PERLIGHT

- Quality Guaranteed
- 12 Year Workmanship Warranty
- 25 Year Output Performance Warranty
- >90% Output for 12 Years
- >80% Output for 25 Years
- Over 30 Years Manufacturing Experience

MANUFACTURING BASE

Perlight Solar Co.,Ltd
Mayu Administration District,
Wenling, Zhejiang,
317521, China
✉ jenny.uk@perlight.com

GLOBAL MARKETING CENTRE

Perlight Solar Co.,Ltd
E# 14th Floor, 58 Xinqiniao Rd,
PuDong District, Shanghai,
200129, China
✉ enquiry@perlight.com

EU SALES & CUSTOMER CENTRE

Westech Solar (UK) Ltd
Unit 1 Bobby Fryer Close,
Garsington Rd, Oxford,
OX4 6ZN
✉ info@westech-solar.co.uk



westech Solar Energy
+44 (0)1865 682 584
www.westech-solar.co.uk

