

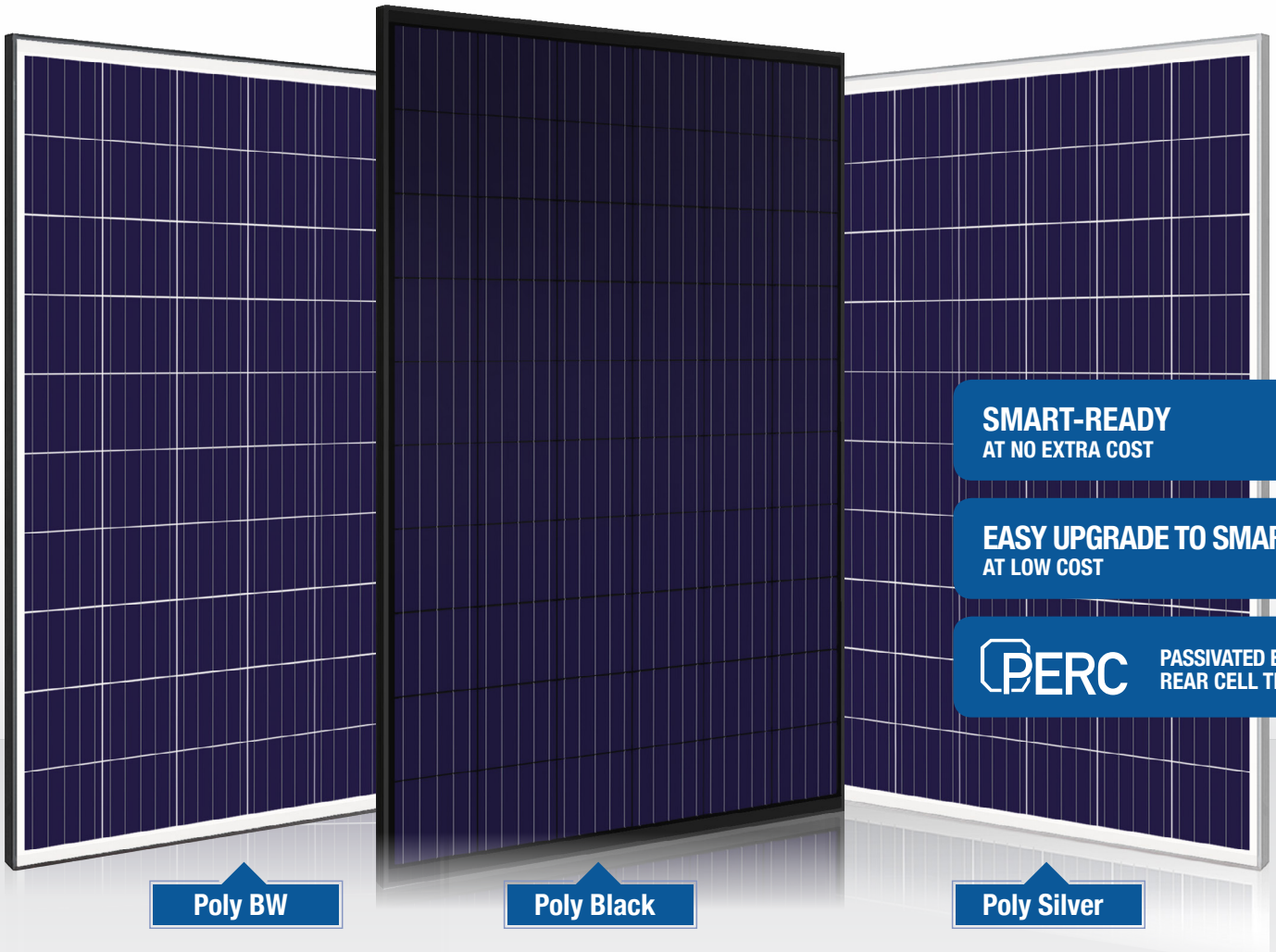
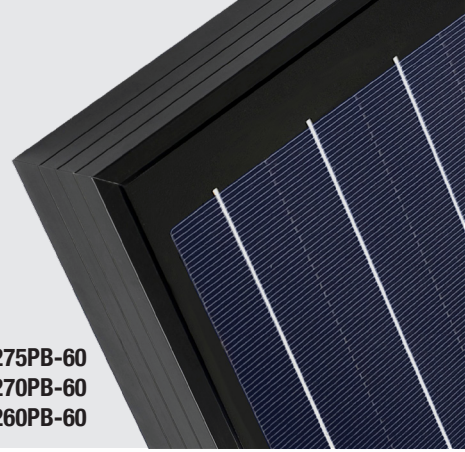


PERLIGHT
smart.black

POLY 60 CELL SERIES

275W • 270W • 260W

275W: PLM-275P-60 • PLM-275PB-60
270W: PLM-270P-60 • PLM-270PB-60
260W: PLM-260P-60 • PLM-260PB-60



Poly BW

Poly Black

Poly Silver

SMART-READY
AT NO EXTRA COST

EASY UPGRADE TO SMART
AT LOW COST

PERC PASSIVATED EMITTER REAR CELL TECH

Powered by **Tigo**

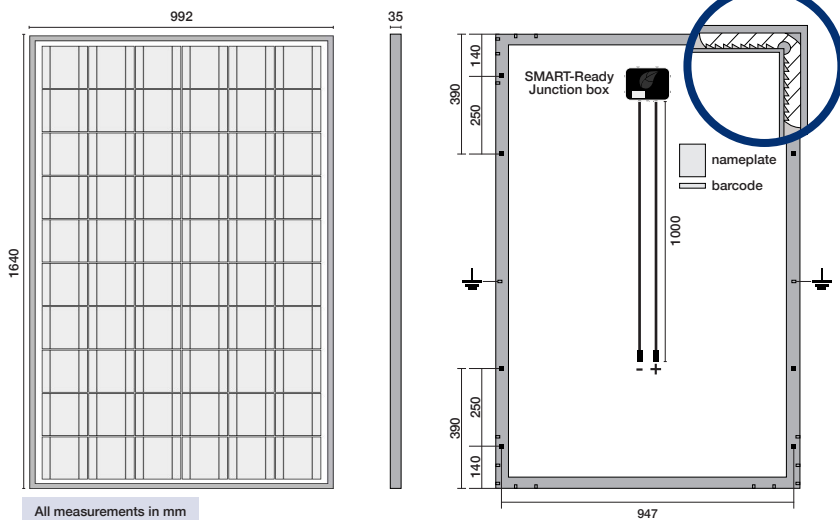
- ✓ Field replaceable diode cover
- ✓ Lower junction box temperature
- ✓ Upgradable to add functionality
- ✓ Cover upgrade options:
 - Module-level monitoring
 - Advanced Safety
 - Optimisation
 - Long Strings
- ✓ Approved by all major inverter manufacturers

Guaranteed by **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



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 waterspouts.
- ✓ 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.

MECHANICAL CHARACTERISTICS

Front cover	3.2mm Tempered ARC glass
Backsheet colour	Black/White
Type of Cells	Poly PERC 156.75x156.75mm
Number of Cells	60
Frame	Black/Silver Anodised Aluminium
Junction box	TIGO TS4 IP67
Cables	1000mm/4mm ²
Connectors	MC4 compatible IP67
Module dimensions	1640 x 992 x 35mm
Module weight	18kg

ELECTRICAL PERFORMANCE

Model Number	PLM-275P-60		PLM-270P-60		PLM-260P-60	
	PLM-275PB-60	PLM-270PB-60	PLM-270PB-60	PLM-260PB-60	PLM-260PB-60	PLM-260PB-60
Power Output	P _{max}	W	275	270	260	260
Voltage at P _{max}	V _{mp}	V	31.54	31.22	30.63	30.63
Current at P _{max}	I _{mp}	A	8.72	8.65	8.49	8.49
Open-circuit voltage	V _{oc}	V	38.49	38.23	37.97	37.97
Short-circuit current	I _{sc}	A	9.16	9.13	9.05	9.05
Solar Module Efficiency	%		16.90	16.60	15.98	15.98
Power Tolerance	%		-0/+3	-0/+3	-0/+3	-0/+3

OPERATING CONDITIONS

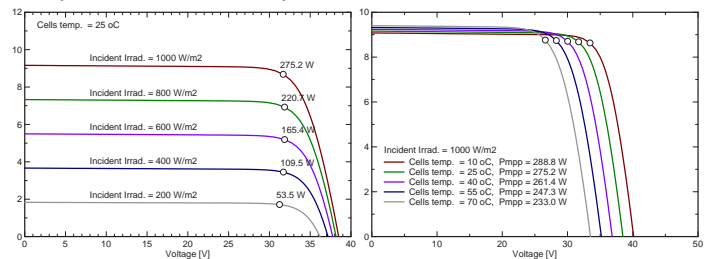
Max. system voltage	1000VDC
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g., wind)	2400Pa
Max. hailstone impact	25mm@23m/s

THERMAL CHARACTERISTICS

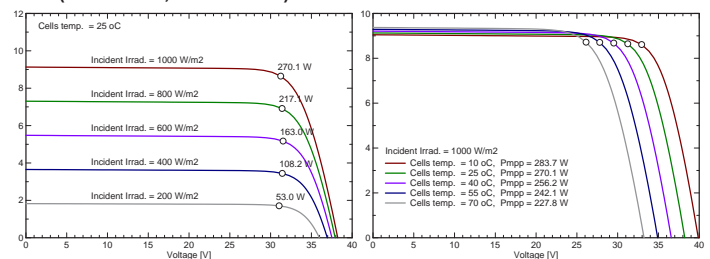
NOCT	45±2 °C
Temp. coefficient P _{max}	-0.40 %/°C
Temp. coefficient V _{oc}	-0.30 %/°C
Temp. coefficient I _{sc}	0.06 %/°C
Temp. coefficient V _{mp}	-0.35 %/°C

ELECTRICAL CURVES

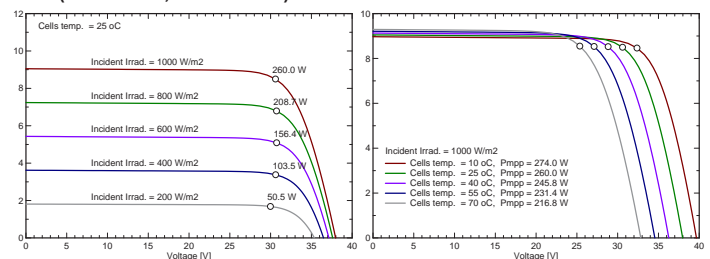
275W (PLM-275P-60, PLM-275PB-60)



270W (PLM-270P-60, PLM-270PB-60)



260W (PLM-260P-60, PLM-260PB-60)



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

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



MANUFACTURING BASE

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