



# PERLIGHT SOLAR POLY SERIES

4<sup>th</sup> Generation Module Series • Polycrystalline

Models available:

60 Cell 250w • 260w  
72 Cell 300w • 330w

Reliability • Creativity • Affordability



## More Efficient

PERC Cell Technology  
4BB Cell



## The Ultimate Project Panel Polycrystalline Smart-Ready Junction box



### SMART-READY Benefits

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

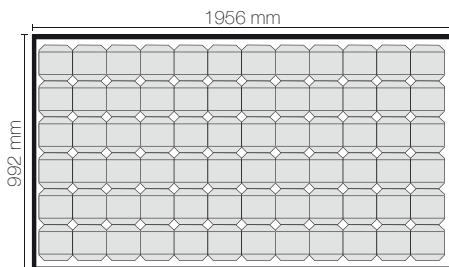
### Cover upgrade options:

- Module-level monitoring
- Safety
- Optimization
- Long Strings
- Approved by all major inverter manufacturers

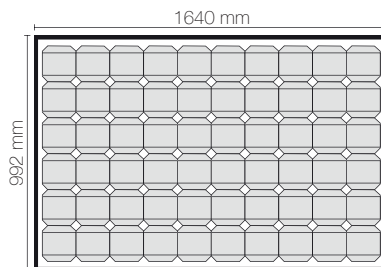


Passivated Emitter Rear  
Cell Technology

- MCS Certified
- Positive output tolerance
- Fire safety certified
- PID-Free certified
- Ammonia corrosion resistance certified
- Salt mist corrosion resistance certified
- 1000+ accredited module types
- Worldwide accreditation



PLM-300P-72 Series/  
PLM-300PB-72 Series  
Weight: 21kg



PLM-250P-60 Series/  
PLM250PB-60 Series  
Weight: 18kg



### Quality Guarantee

- 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

Approved by:



#### MANUFACTURING BASE

Perlight Solar Co., Ltd  
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#### GLOBAL MARKETING CENTRE

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**PERLIGHT SOLAR PLM SERIES**  
**POLYCRYSTALLINE**  
 Series Specifications

**PLM-250P-60 Series/  
 PLM250PB-60 Series**

**Frame Size:** 1640 x 992mm  
**Frame Thickness:** 35mm  
**Weight:** 18kg  
**Number of Cells:** 60  
**Cell Type:** Poly PERC  
**Power Outputs:**  
 250W-270W



**PLM-330P-72 Series/  
 PLM-330PB-72 Series**

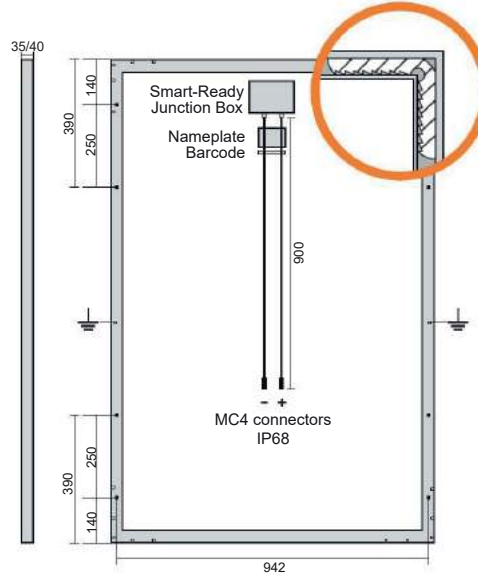
**Frame Size:** 1956 x 992mm  
**Frame Thickness:** 40mm  
**Weight:** 21kg  
**Number of Cells:** 72  
**Cell Type:** Poly PERC  
**Power Outputs:**  
 300W-330W



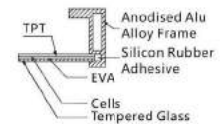
Smart-Ready  
 Diode cover



- Field replaceable
- Upgradeable
- Heat dissipation away from the module
- TS4 baseplate
- Applicable to conventional and smart modules



- Extremely reliable screwless, interconnected frame for long-term flexibility and strength.
- 8 mounting holes for direct mounting option.
- 20 in-built drainage waterspouts.
- 2 earth (ground) points.
- Tempered ARC (anti-reflective) front glass.



Rear frame mounting-hole positions common to all three module sizes.  
 Mounting-hole size: Ø9\*14  
 All measurements in mm.

	Electrical Characteristics						Temperature Coefficient (%/°C)			
	Wp	Vmp	Imp	Voc	Isc	NOCT	Pmax	Voc	Isc	Vmp
60 Cell PLM-250P-60/ PLM-250PB-60 Series	250	29.95	8.35	37.63	8.9	45+/-2	-0.4	-0.3	0.06	-0.4
	260	30.63	8.49	37.97	9.05					
	270	31.22	8.65	38.23	9.13					
72 Cell PLM-300P-72/ PLM-300PB-72 Series	300	36.41	8.24	45.2	8.73	45+/-2	-0.4	-0.3	0.06	-0.4
	320	37.56	8.52	45.82	9.03					
	330	38.07	8.67	46.41	9.13					

Power Tolerance	-0/+3%
Working Temperature	-40°C to 85°C
Max. System Voltage	1000VDC
Wind Rating	5400Pa
Hail Resistance	40mm @ 80km/h
Max. Fuse Rating	15 Amp
Frame Thickness	35mm/40mm
Clamp on Long or Short sides	

- ✔ IEC61730 safety rated for high wind pressure, hail impact, snow load and fire.
- ✔ Certified against Salt mist corrosion for coastal areas.
- ✔ Certified against Ammonia corrosion for agricultural installations.
- ✔ Produced in an environmentally friendly ISO 9001, OHSAS 18001 and ISO 14000 certified manufacturing facility, which has been utilizing an on-site 360kW Perlight Solar system since 2006.

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