



PERLIGHT SOLAR PLUS⁺ SERIES

4th Generation Module Series • Black

Models available:

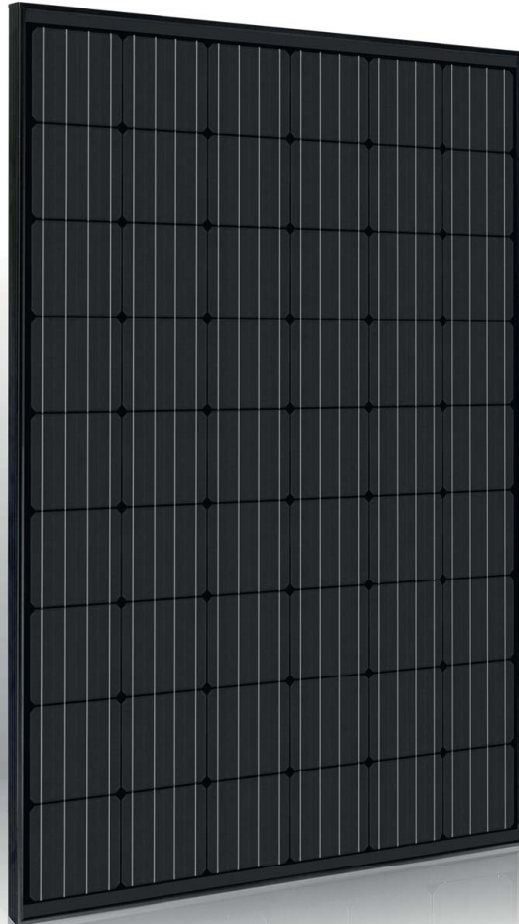
- 54 Cell 250w • 255w
- 60 Cell 250w • 285w • 300w
- 72 Cell 300w • 330w

Reliability • Creativity • Affordability



More Efficient

PERC Cell Technology
4BB Cell



Classic All Black

Monocrystalline

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



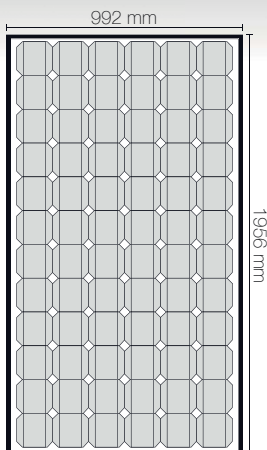
Passivated Emitter Rear
Cell Technology

- 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

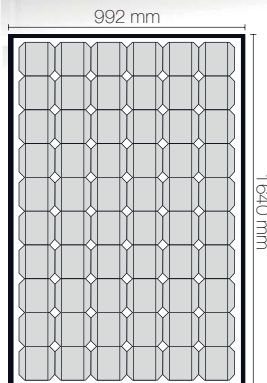


Westtech Quality Guarantee

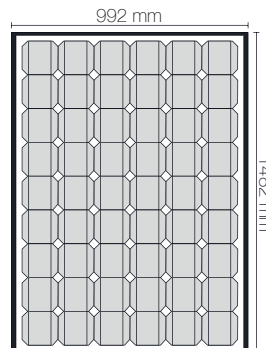
- Quality Guaranteed
- 12 Year Workmanship Warranty
- 25 Year Output Performance Warranty
- >90% Output for 12 Years
- >80% Output for 25 Years
- Over 30 Years Manufacturing Experience



PLM-330MB-72 Series
Weight: 21kg



PLM-300MB-60 Series
Weight: 18kg



PLM-250MB-54 Series
Weight: 16.5kg

Approved by:



MANUFACTURING BASE

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PERLIGHT SOLAR PLM SERIES BLACKPLUS

Series Specifications

PLM-250MB-54 Series

Frame Size: 1482 x 992mm
Frame Thickness: 35mm
Weight: 16.5kg
Number of Cells: 54
Cell Type: Mono PERC
Power Outputs:
 250W-270W



PLM-300MB-60 Series

Frame Size: 1640 x 992mm
Frame Thickness: 35mm
Weight: 18kg
Number of Cells: 60
Cell Type: Mono PERC
Power Outputs:
 250W-300W



PLM-330MB-72 Series

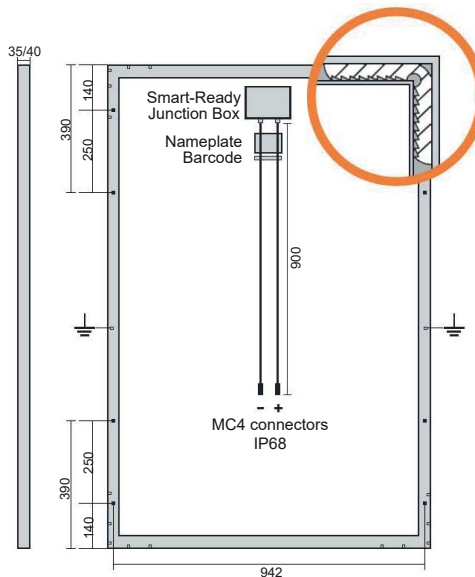
Frame Size: 1956 x 992mm
Frame Thickness: 40mm
Weight: 21kg
Number of Cells: 72
Cell Type: Mono PERC
Power Outputs:
 300W-360W



Smart-Ready
Diode cover

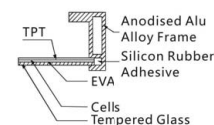


- Field replaceable
- Upgradeable
- Heat dissipation away from the module
- TS4 baseplate
- Applicable to conventional and smart modules



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

- Extremely reliable screw-less, 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.



	Electrical Characteristics						Temperature Coefficient (%/°C)			
	Wp	Vmp	Imp	Voc	Isc	NOCT	Pmax	Voc	Isc	Vmp
54 Cell PLM-250MB-54 Series	250	28.41	8.8	35.25	9.21	45+/-2	-0.4	-0.3	0.06	-0.4
	255	28.62	8.91	35.39	9.31					
60 Cell PLM-300MB-60 Series	250	30.49	8.2	38	8.78	45+/-2	-0.4	-0.3	0.06	-0.4
	285	31.78	8.97	39.35	9.36					
	300	32.54	9.22	40.11	9.61					
72 Cell PLM-330MB-72 Series	300	36.59	8.2	45.6	8.78	45+/-2	-0.4	-0.3	0.06	-0.4
	320	37.79	8.47	46.01	8.97					
	330	37.72	8.75	46.93	9.16					

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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