



PERLIGHT SOLAR PLUS⁺ SERIES

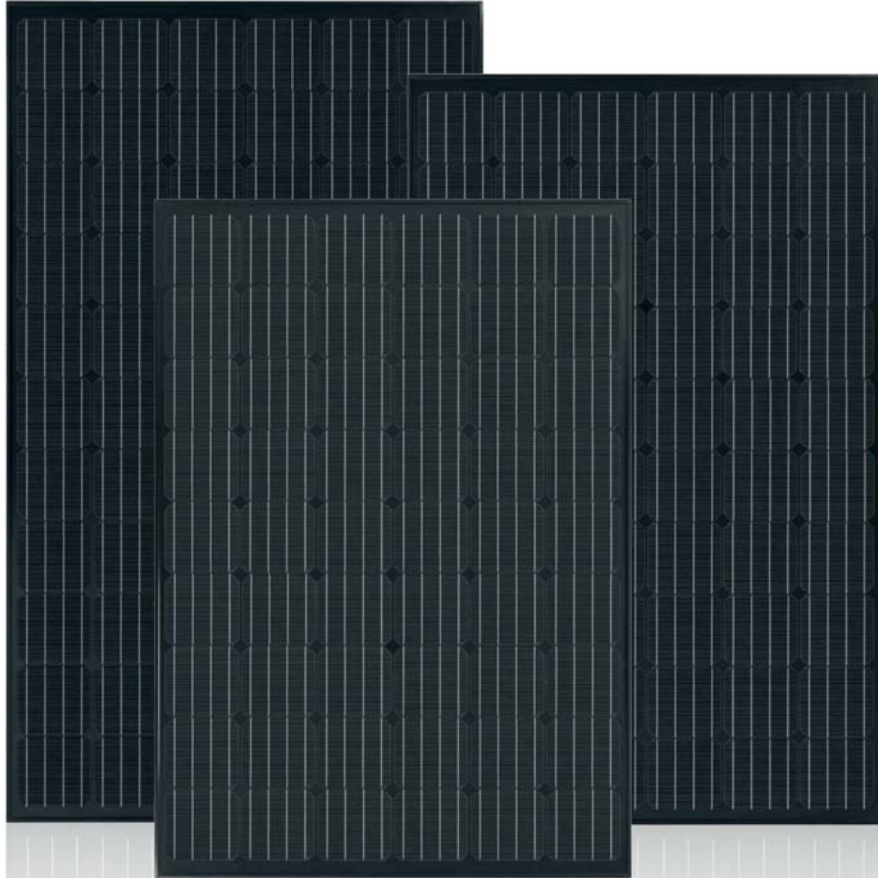
4th Generation Module Series • Black



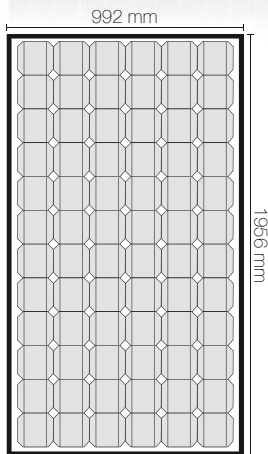
Models available:

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

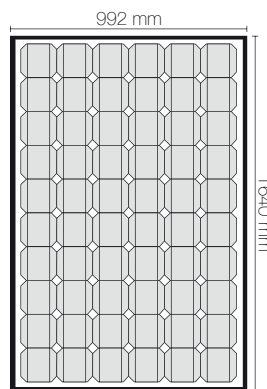
Reliability • Creativity • Affordability



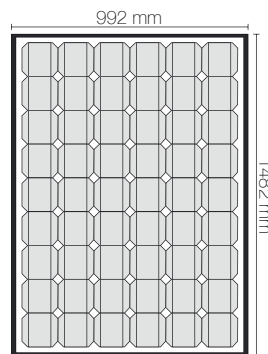
Specifications



PLM-330MB-72 Series
Weight: 21kg



PLM-300MB-60 Series
Weight: 18kg



PLM-250MB-54 Series
Weight: 16.5kg

Classic All Black
Monocrystalline

Available as **Standard**
or **SMART** module

Tigo

SMART Optimisation Benefits

- Unrivalled bankability
- Smart curve, enables 30% longer strings
- Module-level monitoring, reduced O&M and commissioning costs
- Increased energy harvest and system uptime for proven ROI
- Approved by all major inverter manufacturers

Validated Production Improvement

- Unshaded = 3.2%
- Pole Shade = 20.8%
- Horizontal Shade = 36.8%

PERC

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
- Wide power range available
- Worldwide accreditation



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

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GLOBAL MARKETING CENTRE

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DISTRIBUTION PARTNER

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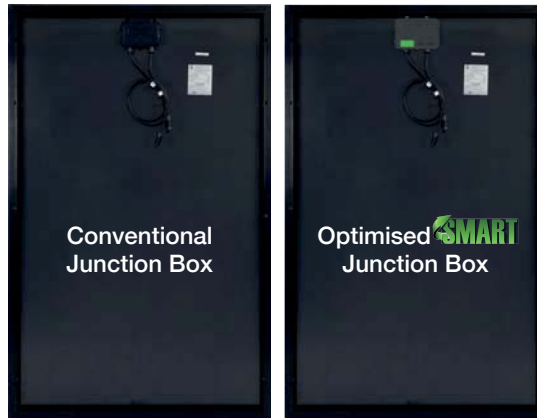


+44 (0)1223 851535

www.midsummerwholesale.co.uk

Module Options Conventional Module or TIGO Optimised SMART Module

- Extremely reliable screwless, interconnected frame for long-term flexibility and strength.
- 20 in-built drainage waterspouts.
- 8 mounting holes for direct mounting option.
- 2 earth (Ground) points



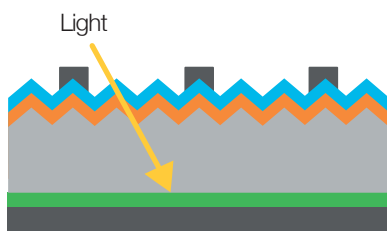
TIGO Optimised SMART Module Benefits

- Unparalleled design flexibility
- Enhanced energy yield
- Shade and age tolerance
- Faster installation
- Works with all inverters



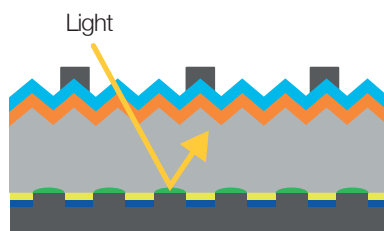
PERC Passivated Emitter Rear Cell Technology

Conventional Cell



For conventional cells, some light energy is wasted and is absorbed by the back of the cell.

PERC Cell



PERC cells make use of this wasted light energy, reflecting it back up, resulting in additional power.

Manage your PV array, no matter how big or small, Tigo gives system owners unprecedented visibility into module performance.

System analytics track production, send alerts and proactively suggest maintenance actions to keep systems operating at maximum efficiency and uptime.

Increased safety, the monitoring portal can remotely power-off each module individually, eliminating high voltage for maintenance or safety purposes.

	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 onsite 360kW Perlight Solar system since 2006.

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