



# PERLIGHT SOLAR DELTA SERIES

4<sup>th</sup> Generation Module Series • Triple Black

Models available:

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

Reliability • Creativity • Affordability



## PLM-250MA-54 Series

### Smaller

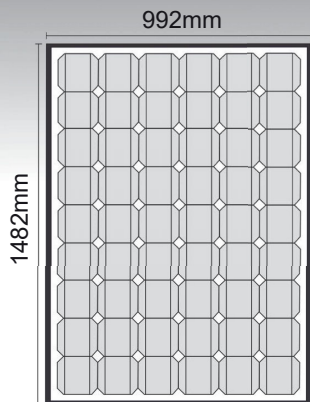
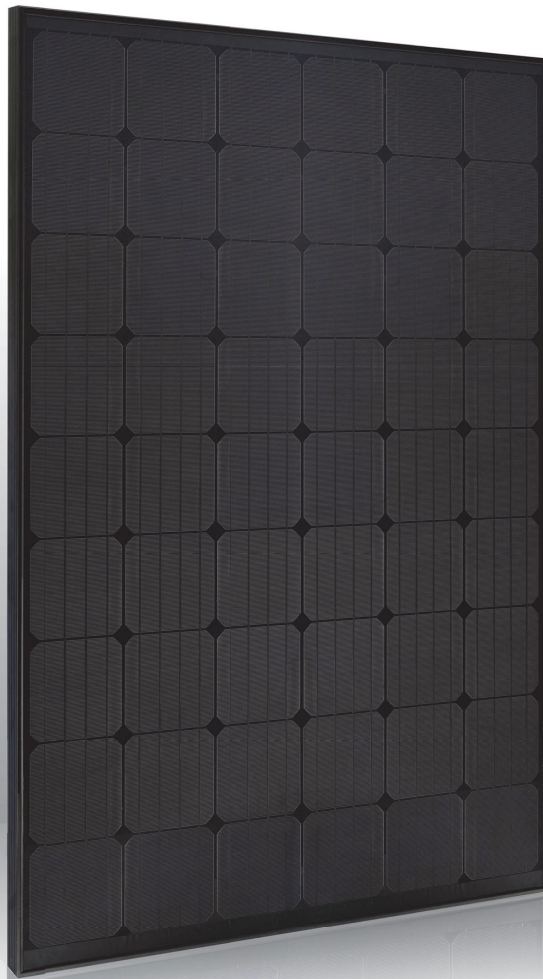
1482 x 992 x 35mm

### Lighter

16.5kg

### More Efficient

PERC Cell Technology  
4BB Cell



Truly All Black  
Monocrystalline  
Smart-Ready Junction box

## Tigo

### 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

## PERC

Passivated Emitter Rear  
Cell Technology

- MCS Certified (MCS BBA 0006/1138)
- Positive output tolerance
- Fire safety certified
- PID-Free certified
- Ammonia corrosion resistance certified
- Salt mist corrosion resistance certified
- Wide power range available
- Worldwide accreditation



### Westech 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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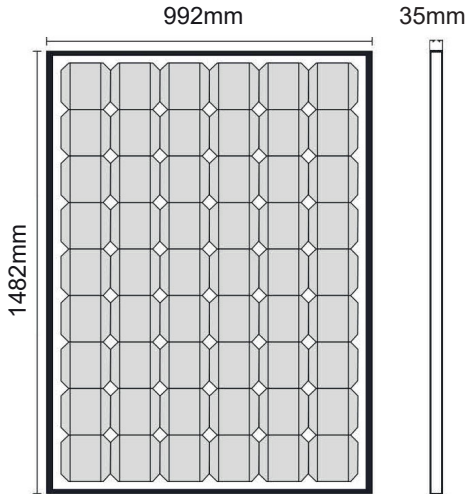


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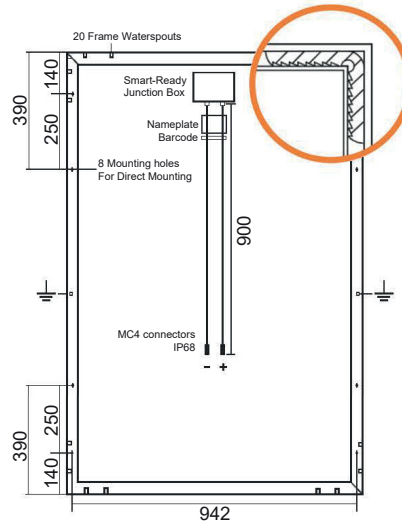
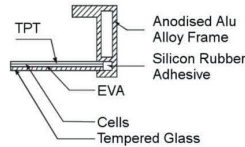


# PLM-250MA-54 Series



Weight: 16.5kg

- 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



All measurements in mm

**Tigo**

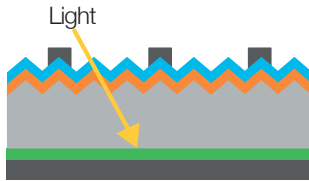
Smart-Ready Diode cover



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

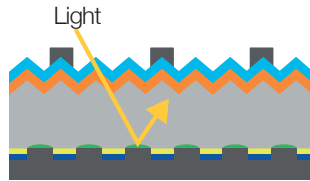
## PERC Passivated Emitter Rear Cell Technology

### 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.



	Electrical Characteristics						Temperature Coefficient (%/°C)			
	Wp	Vmp	Imp	Voc	Isc	NOCT	Pmax	Voc	Isc	Vmp
54 Cell PLM-250MA-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					

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
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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