



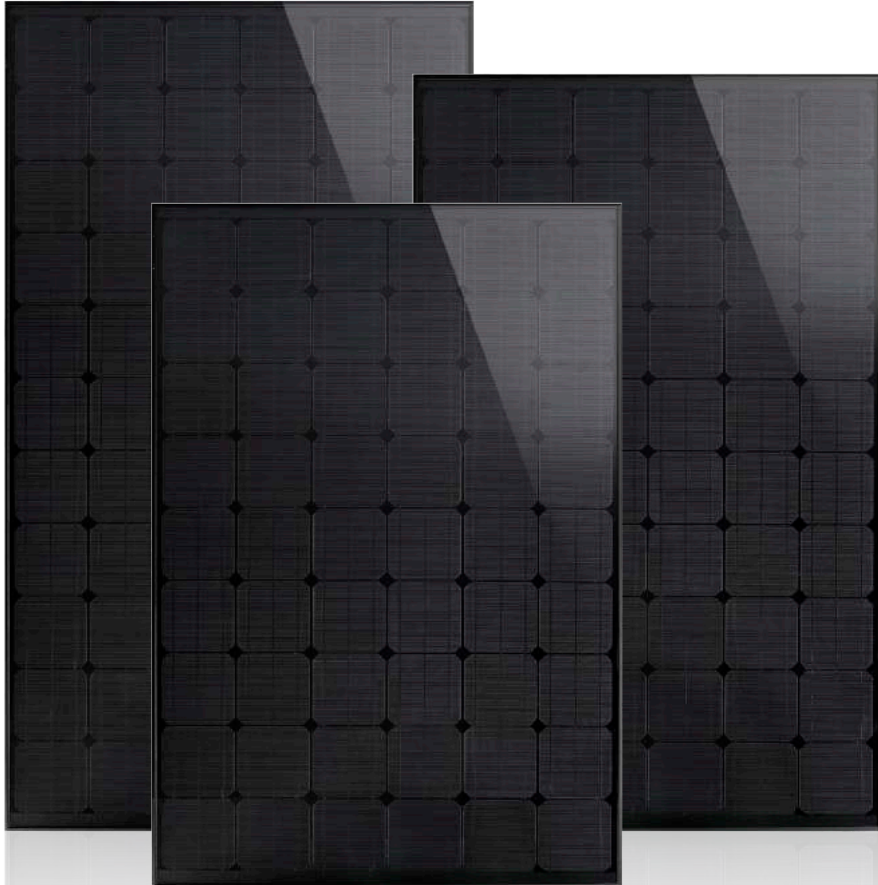
# PERLIGHT SOLAR DELTA SERIES

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

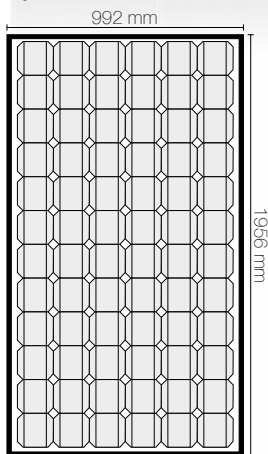
Models available:

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

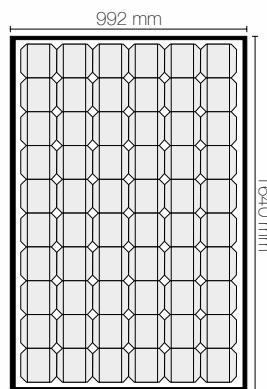
Reliability • Creativity • Affordability



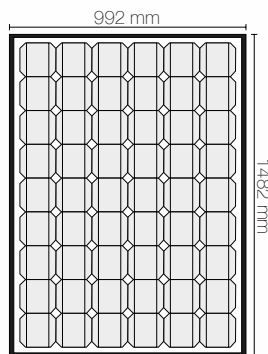
## Specifications



PLM-300M-72 Series  
Weight: 23.6kg



PLM-285M-60 Series  
Weight: 18.1kg



PLM-250M-54 Series  
Weight: 16.5kg

Truly All Black  
Monocrystalline  
Available as **Standard**  
or **SMART** module

## Tigo<sup>®</sup>

### 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



### 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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### GLOBAL MARKETING CENTRE

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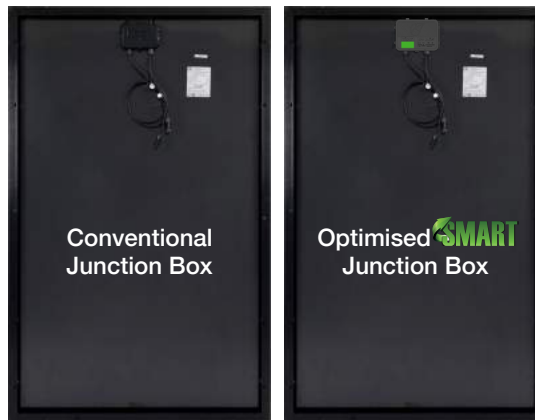
PERLIGHT



Westech

## Module Options Conventional Module or TIGO Optimised SMART Module

- Extremely reliable screw-less, interconnected frame for long-term flexibility and strength.
- 20 in-built drainage waterproofs.
- 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



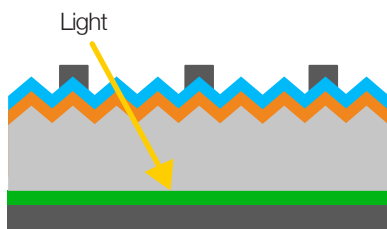
Manage your PV array, no matter how big or small, Tigo gives system owners unprecedented visibility into module performance.

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.

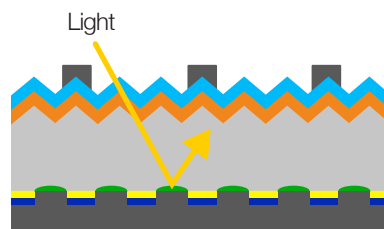
## PERC Passivated Emitter Rear Cell Technology

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	250	28.74	8.7	34.61	9.22	45+/-2	-0.45	-0.34	0.06	-0.4
	255	28.89	8.83	35.15	9.42					
60 Cell	250	30.5	8.2	38	8.78	45+/-2	-0.45	-0.34	0.06	-0.4
	285	32.5	8.77	39.35	9.32					
	300	32.97	9.1	40.05	9.61					
72 Cell	300	36.59	8.2	45.6	8.78	45+/-2	-0.45	-0.34	0.06	-0.4
	320	37.79	8.47	46.01	8.97					
	330	38.16	8.65	46.46	9.16					

Power Tolerance	-0/+3%
Working Temperature	-40°C to 85°C
Max. System Voltage	1000VDC
Wind Rating	5400Pa
Hail Resistance	25mm @ 80km/h
Max. Fuse Rating	15 Amp

- ✓ 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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