370 WATT MONO PERC SPLIT CELL







MORE OUTPUT PER M²



HIGHER EFFICIENCY 19.8% MAXIMUM EFFICIENCY



HIGHER ROI REDUCED BALANCE OF SYSTEM COST



LOWER POWER LOSS

BETTER PERFORMANCE IN SHADED CONDITIONS



TIER ONE MANUFACTURED





ENERGY















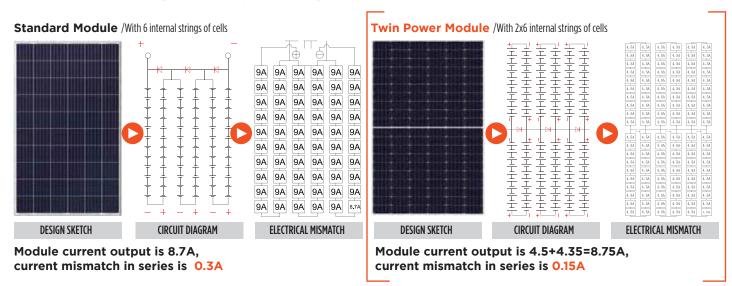
Twin Power - A Module Re-Modeled

Powerwaves Twin Power Series solar module boasts two identical parts, which are composed of cells that are half the size of ordinary solar cells. By cutting cells into halves, these smaller currents will help reduce "Cell To Module" loss, which means higher output.

In the meantime, the overall space between cells are doubled, and more light will be transferred into power through multiple reflections. Compared to mainstream standard modules, the Twin Power series module has lower current and series resistance which helps minimize mismatch loss, internal power loss, and shadow effect. One cell has EL defect or appearance defect, such as black edge or V sharp. After cutting, one intact half can be reused.

Less Missmatched Loss

Instead of 6 internal strings of cells, the Twin Power series module has 2 x 6 shorter ones. This design effectively deals with the mismatch that happens between cells caused by shading and out of sync performance degradation.



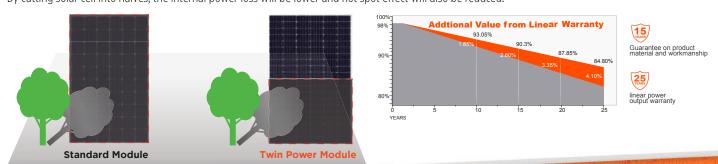
Less Internal Power Loss



Higher Yield Due to Better Shading Response

The Twin Power series comprises two separated and identical solar cell arrays, which means the ordinary strings of cells are cut into halves, and these shorter strings compose arrays which has separated current paths. When a module is shaded, only one side shaded array's current will be impacted, while the other array will still be functionally producing power. Under this circumstance, when a module is shaded, the affected working areas of the Twin Power panel will be 50% less.

By cutting solar cell into halves, the internal power loss will be lower and hot spot effect will also be reduced.



Electrical Characteristics

Module Type	РW-370-ВМВ	
	STC	
Maximum Power at STC (Pmp)	370	
Open Circuit Voltage (Voc)	41.6	
Short Circuit Current (Isc)	11.34	
Maximum Power Voltage (Vmp)	34.6	
Maximum Power Current (Imp)	10.70	
Module Efficiency at STC(ηm)	20.31	
Power Tolerance	0~4.99W	
Maximum System Voltage	1000 VDC	
Maximum Series Fuse Rating	20A	

STC: Irradiance 1000 W/m² module temperature 25°C AM=1.5; Power measurement tolerance: +/-3%

Temperature Characteristics

Pmax Temperature Coefficient	-0.35 %/°C
Voc Temperature Coefficient	-0.28 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40∼+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

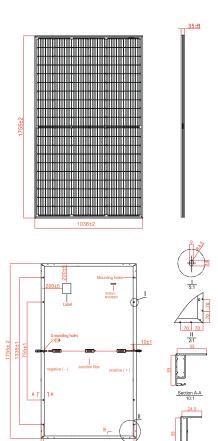
Mechanical Specifications

External Dimensions	1755 x 1038 x 35 mm	
Weight	19.5kg	
Solar Cells	PERC Mono (120pcs)	
Front Glass	3.2 mm AR coating tempered glass, low iron	
Frame	Anodized aluminium alloy	
Junction Box	IP68,3 diodes	
Output Cables	4.0 mm², Portrait:255mm(+)/355mm(-); Landscape:1200mm	
Connector	Genuine MC4	
Mechanical Load	Front side 5400Pa/ Rear side 2400Pa	
Fire Safety Class	Class C	

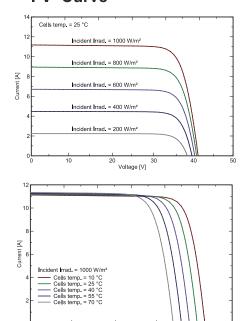
Packing Configuration

	1755 x 1038x 35 mm	
Container	20'GP	40'HQ
Pieces per Pallet	31+4*	31+2*
Pallets per Container	6	24
Pieces per Container	210	792

^{* 31+2} and * 31+4 pieces per pallet are the special packages which only suit for container transport. For details, please consult POWERWAVE.



I-V Curve



20 Voltage [V] Your panel is only as good as the local company standing behind it.



Why Powerwave?

Powerwave is an Australian, privately owned, independent solar brand backed by Australia's largest Online Electrical Wholesaler, Tradezone.

- **Australian Owned & Operated**
- **Over 28 Years in Business**
- **Reliable & Trustworthy**

Tradezone and Powerwave are part of the Kingston Group of Companies. Based on the Gold Coast, the group has been trading for over 25 years and has more than 100 staff as well as an extensive property portfolio. This gives you the peace of mind that local teams and resources are standing by for the full duration of the product's life. Why risk buying a long term asset from a brand that you can't physically speak to or even visit their office in the off chance you need to.



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