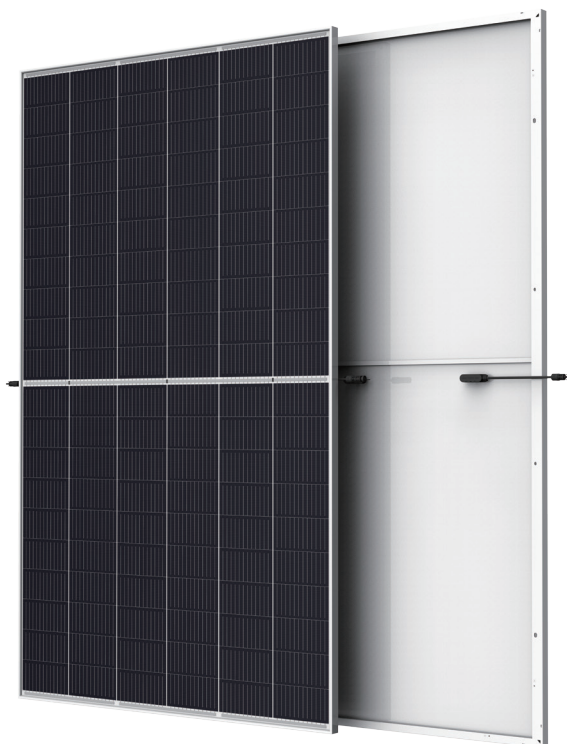


TPL SOLAR MODULE MONO PERC HALF-CELL

G12 210mm TPL M-132HC
Series **650W**- **670W**



EU Brand & Warranty



High Efficiency

High module conversion efficiency (up to 21.60%), through innovative manufacturing technology.



Low-Light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments



Severe Weather Resilience

Certified to withstand : wind Load (2400 Pascal) And Snow Load (5400 Pascal)



MBB Busbar Solar Cell

MBB busbar solar cell adopts new technology to improve the efficiency of modules , offers a better aesthetic appearance.



Superior Quality Control

Full automatic production line
ISO9001:2008 quality management system
100% three times EL and appearance inspection



Plus tolerance

0-+5W positive power tolerance guarantees the highest system efficiency and yield stability



Performance Guarantee

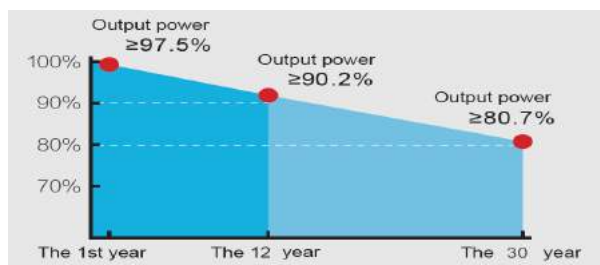
With the linear performance guarantee of 25 years and a product warranty of 25 years, TPL Solar guarantees highest investment security and warranty claims.



Certificates

TPL Solar modules are CE and TUV certified. Meet Australia CEC standard and on CEC list. Fire safety Class C

Performance Assurance



IEC 61215, IEC 61730

ISO 9001: 2015 Quality management systems

ISO 14001: 2015 Environmental management systems

OHSAS 18001: 2007 Occupational health and safety management systems



TPL ENERGY CO., LIMITED
(TPL SOLAR)

E Mail: sales@tplsolar.com

Web: www.tplsolar.com



TECHNICAL DATA

MONO PERC HALF-CELL

TPL M-132HC Series **650W- 670W**

ELECTRICAL DATA

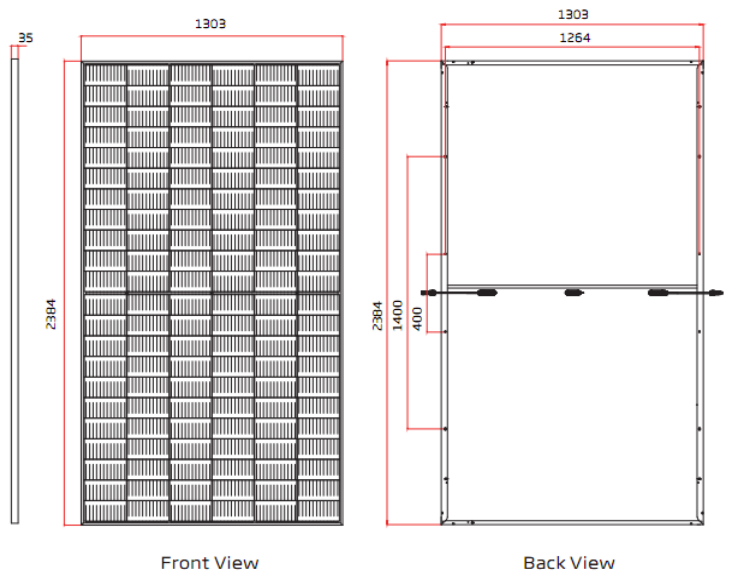
ELECTRICAL DATA		TPL650M-132HC		TPL655M-132HC		TPL660M-132HC		TPL665M-132HC		TPL670M-132HC	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Nominal power	Pm (Wp)	650Wp	492Wp	655Wp	496Wp	660Wp	500Wp	665Wp	504Wp	670Wp	508Wp
Voltage at max power	Vmp (V)	37.40V	34.90V	37.60V	35.10V	37.80V	35.30V	38.00V	35.40V	38.20V	35.60V
Current at max power	Imp (A)	17.39A	14.09A	17.43A	14.13A	17.47A	14.17A	17.51A	14.26A	17.55A	14.26A
Open circuit voltage	Voc (V)	45.30V	42.70V	45.50V	42.90V	45.70V	43.00V	46.10V	43.20V	46.10V	43.40V
Short-circuit current	Isc (A)	18.44A	14.86A	18.48A	14.89A	18.53A	14.93A	18.62A	14.96A	18.62A	15.01A
Module efficiency	(%)	20.90%		21.10%		21.20%		21.40%		21.60%	
System Voltage	(V)	1500									
Temp. coefficient Voc	(%; °C)	-0.25									
Temp. coefficient Isc	(%; °C)	0.04									
Temp. coefficient Pm	(%; °C)	-0.34									
Operating temp.	(°C)	-40 to +85									
NOCT	(°C)	43±2									

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

TECHNICAL DATA

Junction box	IP68 rated
Wire cross section (Ø, mm ²)	4.0
Cable length (mm)	Anode 280mm Cathode 280mm, Length can be customized
Connector type	MC4 EVO2/TS4
Dimensions (L x W x H, mm)	2384 x 1303 x 35
Weight (kg)	33.9KG
Cell dimensions (mm)	210 x 210
No of cells / assembly	132 / 6x22
Type of cells	Mono-PERC
Hail resistance	Max. Ø 28 mm at 23 m/
Wind load	2400Pa / 244kg / m ²
Mechanical load	5400Pa / 550kg / m ²

DIMENSIONS



I-V CURVE

