



# TPL SOLAR MODULE

TPL M-60 Series 300W

Full Black Model



## EU Brand & Warranty



## High Efficiency

High module conversion efficiency (up to 18.35%), 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)



## 5 Busbar Solar Cell

5 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

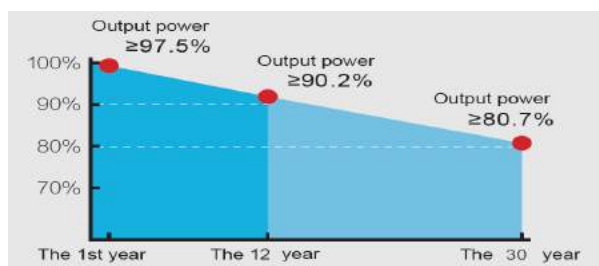
With the linear performance guarantee of 30 years and a product warranty of 12 years, TPL Solar guarantees highest investment security and warranty claims.



## Certificates

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

### Performance Assurance



EN 61215:2005  
EN 61730-1:2007/A2:2013  
EN 61730-2:2007/A1:2012



**TPL ENERGY CO., LIMITED**  
**(TPL SOLAR)**

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## TECHNICAL DATA

### TPL M-60 Series 300W

#### ELECTRICAL DATA

#### TPL300M-60

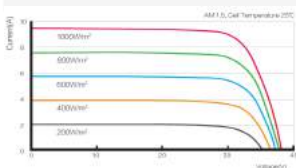
Nominal power	Pm (Wp)	300
Open circuit voltage	Voc (V)	39.83
Short-circuit current	Isc (A)	9.74
Voltage at max power	Vmp (V)	32.26
Current at max power	Imp (A)	9.31
Module efficiency	(%)	18.30
Cells efficiency	(%)	20.62
System Voltage	(V)	1000
Temp. coefficient Voc	(%; °C)	-0.36
Temp. coefficient Isc	(%; °C)	0.06
Temp. coefficient Pm	(%; °C)	-0.36
Operating temp.	(°C)	-40 to +85
NOCT	(°C)	45±2

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m<sup>2</sup> with spectrum AM 1.5 and a cell temperature of 25°C.

#### TECHNICAL DATA

Junction box	3 bypass diodes, IP67
Wire cross section (Ø, mm <sup>2</sup> )	4.0
Cable length (mm)	900
Connector type	MC4/MC4 compatible
Dimensions (L x W x H, mm)	1640 x 992 x 35
Weight (kg)	18.5
Cell dimensions (mm)	156 x 156
No of cells / assembly	60 / 6x 10
Type of cells	mono-crystalline
Hail resistance	Max. Ø 28 mm at 23 m/s
Wind load	2400Pa / 244kg / m <sup>2</sup>
Mechanical load	5400Pa / 550kg / m <sup>2</sup>

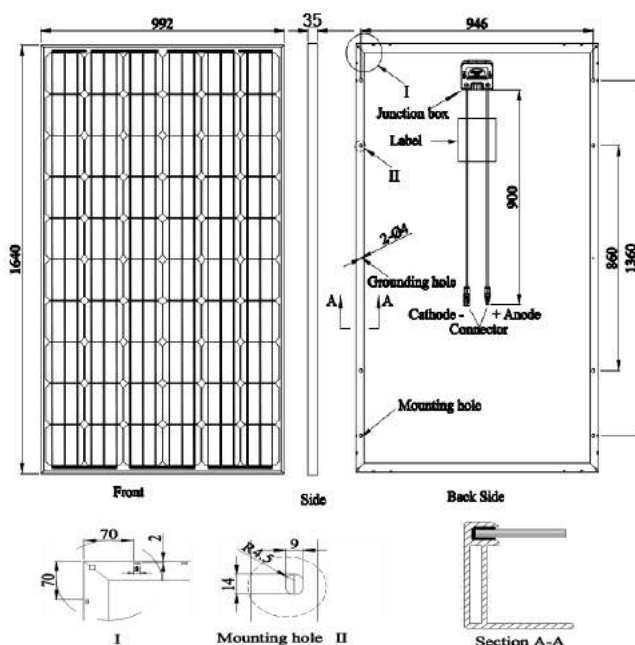
#### I-V CURVE



#### PACKING

Container (20')	Container (40')
Pieces Per Pallet	30
Pallets Per Stack	2
Stacks Per Container	12
Pieces Per Container	360
Pieces Per Pallet	30
Pallets Per Stack	2
Stacks Per Platform	24
Pieces Per Platform	840

#### DIMENSIONS



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