TPL SOLAR MODULE MONO PERC HALF-CELL

TPLM-120HC Series 350W-370W







EU Brand & Warranty



High Efficiency

High module conversion efficiency (up to 20.0%), through innovative manufacturing technology.



Low-Light Performance

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



Severe Weather Resilience

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



9 Busbar Solar Cell

9 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

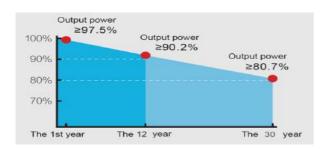
With the linear performance guarantee of 30 years and a product warranty of 12 years, TPL Solar guarantees highest investment security and warranty claims.



Certificates

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

Performance Assurance



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













TECHNICAL DATA MONO PERC HALF-CELL

TPLM-120HC Series 350W-370W

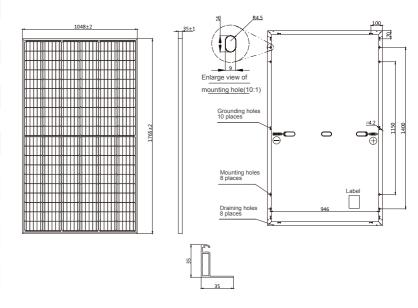
	TPL-350M-120HC		TPL-355M-120HC		TPL360M-120HC		TPL-365M-120HC		TPL-370M-120HC	
Pm (Wp)	STC 350Wp	NOCT 261Wp	STC 355Wp	NOCT 265Wp	STC 360Wp	NOCT 269Wp	STC 365Wp	NOCT 272Wp	STC 370Wp	NOCT 276Wp
Vmp (V)	33.3V	31.0V	33.5V	31.2V	33.7V	31.4V	33.9V	31.6V	34.0V	31.8V
Imp (A)	10.52A	8.41A	10.61A	8.48A	10.69A	8.55A	10.78A	8.62A	10.86A	8.68A
Voc (V)	40.0V	37.6V	40.2V	37.8V	40.4V	38.0V	40.6V	38.2V	40.8V	38.4V
Isc (A)	11.28A	9.10A	11.33A	9.14A	11.40A	9.20A	11.47A	9.25A	11.54A	9.31A
(%)	18.9	1%	19.2	20%	19.5	52%	19.7	73%	20.0	2%
(V)						1500				
(%; °C)	-0.27									
(%; °C)	0.05									
(%; °C)	-0.35									
(°C)	-40 to +85									
(°C)	45±2									
	Vmp (V) Imp (A) Voc (V) Isc (A) (%) (V) (%; °C) (%; °C) (%; °C) (%; °C)	STC Pm (Wp) 350Wp Vmp (V) 33.3V Imp (A) 10.52A Voc (V) 40.0V Isc (A) 11.28A (%) 18.9 (V) (%; °C) (%; °C) (%; °C) (%; °C) (%; °C)	STC NOCT Pm (Wp) 350Wp 261Wp Vmp (V) 33.3V 31.0V Imp (A) 10.52A 8.41A Voc (V) 40.0V 37.6V Isc (A) 11.28A 9.10A (%) 18.91% (V) (%; °C) (%; °C) (%; °C) (%; °C)	STC NOCT STC Pm (Wp) 350Wp 261Wp 355Wp Vmp (V) 33.3V 31.0V 33.5V Imp (A) 10.52A 8.41A 10.61A Voc (V) 40.0V 37.6V 40.2V Isc (A) 11.28A 9.10A 11.33A (%) 18.91% 19.: (V) (%; °C) (%; °C) (%; °C) (%; °C) (%; °C)	STC NOCT STC NOCT Pm (Wp) 350Wp 261Wp 355Wp 265Wp Vmp (V) 33.3V 31.0V 33.5V 31.2V Imp (A) 10.52A 8.41A 10.61A 8.48A Voc (V) 40.0V 37.6V 40.2V 37.8V Isc (A) 11.28A 9.10A 11.33A 9.14A (%) 18.91% 19.20% (V) (%; °C) (%; °C) (%; °C) (°C)	Pm (Wp) STC NOCT STC NOCT STC Pm (Wp) 350Wp 261Wp 355Wp 265Wp 360Wp Vmp (V) 33.3V 31.0V 33.5V 31.2V 33.7V Imp (A) 10.52A 8.41A 10.61A 8.48A 10.69A Voc (V) 40.0V 37.6V 40.2V 37.8V 40.4V Isc (A) 11.28A 9.10A 11.33A 9.14A 11.40A (%) 18.91% 19.20% 19.3 (V) (%; °C) (%; °C) (%; °C) (%; °C) (°C) (%; °C)	Pm (Wp) STC 350Wp 261Wp 355Wp 265Wp 360Wp 269Wp NOCT 350Wp 269Wp STC NOCT 350Wp 269Wp NOCT 350Wp 269Wp NOCT 350Wp 269Wp NOCT 360Wp 269Wp <th< td=""><td>Pm (Wp) STC NOCT 350Wp 261Wp STC NOCT 355Wp 265Wp 360Wp 269Wp 365Wp STC NOCT STC NOCT STC NOCT 350Wp STC NOCT STC NOCT</td><td>Pm (Wp) 350Wp 350Wp 261Wp 355Wp 265Wp 360Wp 269Wp 365Wp 272Wp Vmp (V) 33.3V 31.0V 33.5V 31.2V 33.7V 31.4V 33.9V 31.6V Imp (A) 10.52A 8.41A 10.61A 8.48A 10.69A 8.55A 10.78A 8.62A Voc (V) 40.0V 37.6V 40.2V 37.8V 40.4V 38.0V 40.6V 38.2V Isc (A) 11.28A 9.10A 11.33A 9.14A 11.40A 9.20A 11.47A 9.25A (%) 18.91% 19.20% 19.52% 19.73% (V) -0.27 (%; °C) -0.35 (°C) -40 to +85</td><td>Pm (Wp) 350Wp 261Wp 355Wp 265Wp 360Wp 269Wp 365Wp 272Wp 370Wp Vmp (V) 33.3V 31.0V 33.5V 31.2V 33.7V 31.4V 33.9V 31.6V 34.0V Imp (A) 10.52A 8.41A 10.61A 8.48A 10.69A 8.55A 10.78A 8.62A 10.86A Voc (V) 40.0V 37.6V 40.2V 37.8V 40.4V 38.0V 40.6V 38.2V 40.8V Isc (A) 11.28A 9.10A 11.33A 9.14A 11.40A 9.20A 11.47A 9.25A 11.54A (%) 18.91% 19.20% 19.52% 19.73% 20.0 (V) -0.27 -0.27 -0.27 (%; °C) -0.35 -0.35 (°C) -40 to +85</td></th<>	Pm (Wp) STC NOCT 350Wp 261Wp STC NOCT 355Wp 265Wp 360Wp 269Wp 365Wp STC NOCT STC NOCT STC NOCT 350Wp STC NOCT	Pm (Wp) 350Wp 350Wp 261Wp 355Wp 265Wp 360Wp 269Wp 365Wp 272Wp Vmp (V) 33.3V 31.0V 33.5V 31.2V 33.7V 31.4V 33.9V 31.6V Imp (A) 10.52A 8.41A 10.61A 8.48A 10.69A 8.55A 10.78A 8.62A Voc (V) 40.0V 37.6V 40.2V 37.8V 40.4V 38.0V 40.6V 38.2V Isc (A) 11.28A 9.10A 11.33A 9.14A 11.40A 9.20A 11.47A 9.25A (%) 18.91% 19.20% 19.52% 19.73% (V) -0.27 (%; °C) -0.35 (°C) -40 to +85	Pm (Wp) 350Wp 261Wp 355Wp 265Wp 360Wp 269Wp 365Wp 272Wp 370Wp Vmp (V) 33.3V 31.0V 33.5V 31.2V 33.7V 31.4V 33.9V 31.6V 34.0V Imp (A) 10.52A 8.41A 10.61A 8.48A 10.69A 8.55A 10.78A 8.62A 10.86A Voc (V) 40.0V 37.6V 40.2V 37.8V 40.4V 38.0V 40.6V 38.2V 40.8V Isc (A) 11.28A 9.10A 11.33A 9.14A 11.40A 9.20A 11.47A 9.25A 11.54A (%) 18.91% 19.20% 19.52% 19.73% 20.0 (V) -0.27 -0.27 -0.27 (%; °C) -0.35 -0.35 (°C) -40 to +85

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	3 bypass diodes, IP68					
Wire cross section (Ø, mm²)	4.0					
Cable lenght (mm)	Anode 290mm Cathode 145mm					
Connector type	QC 4.10-35					
Dimensions (L x W x H, mm)	1765 x1048 x 35					
Weight (kg)	20.5					
Cell dimensions (mm)	166 x 166					
No of cells / assembly	120 / 6x20					
Type of cells	Mono-PERC					
Hail resistance	Max. Ø 28 mm at 23 m/					
Wind load	2400Pa / 244kg / m²					
Mechanical load	5400Pa / 550kg / m²					

DIMENSIONS



I-V CURVE

