

# SkyHawk T-type Module Specification

Monocrystalline 6X20 Bifacial Solar Modules (166mm / M6 Solar Cell)

355-380Wp



## Electrial Data

Model			TS60-AMH-355 H2			TS60-AMH-360 H2			TS60-AMH-365 H2			TS60-AMH-370 H2			TS60-AMH-375 H2			TS60-AMH-380 H2				
			Front		Bifacial Gain		Front		Bifacial Gain		Front		Bifacial Gain		Front		Bifacial Gain		Front		Bifacial Gain	
					5%	10%			5%	10%			5%	10%			5%	10%			5%	10%
Max. power at STC	P <sub>max</sub>	W	355	373	391	360	378	396	365	383	402	370	389	407	375	394	413	380	399	418		
Max. power voltage	V <sub>mp</sub>	V	33.80	33.80	33.80	34.00	34.00	34.00	34.2	34.20	34.20	34.4	34.40	34.40	34.6	34.60	34.60	34.8	34.80	34.80		
Max. power current	I <sub>mp</sub>	A	10.51	11.04	11.56	10.59	11.12	11.65	10.68	11.21	11.75	10.77	11.31	11.85	10.84	11.38	11.92	10.92	11.47	12.01		
Open circuit voltage	V <sub>oc</sub>	V	40.30	40.30	40.30	40.50	40.50	40.50	40.70	40.70	40.70	40.90	40.90	40.90	41.10	41.10	41.10	41.30	41.30	41.30		
Short circuit current	I <sub>sc</sub>	A	11.25	11.81	12.38	11.34	11.91	12.47	11.43	12.00	12.57	11.52	12.10	12.67	11.60	12.18	12.76	11.69	12.27	12.86		
Module Conversion Eff.		%	19.5%	20.5%	21.4%	19.8%	20.7%	21.7%	20.0%	21.0%	22.0%	20.3%	21.3%	22.3%	20.6%	21.6%	22.6%	20.9%	21.9%	22.9%		

\* Under Standard Test Condition(1,000W/m<sup>2</sup>, 25°C, AM 1.5): Power Tolerance ±3%  
 \* Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(m<sup>2</sup>) x 1000 (w/m<sup>2</sup>))] x 100%

## General Data

Cell type	M6 Monocrystalline
Cell per module	Mono-crystalline silicon solar cell (120pcs)
Front	Low-iron tempered glass
Encapsulant Film	Low water vapor transmission rate (WVTR) material
Rear	Anti-Salt Mist composite film
Frame	6063T5 Anodized aluminum (silver/black)
Junction Box	IP68
Connector	EVO-2 Compatible
Cable	1400mm / 4mm <sup>2</sup>



## Operation Conditions

Max. system voltage	1500V
Module fire resistance class	Class C
Protection Class (IEC 61140)	Class II
Series fuse rating	25 A
Number of bypass diodes	3
Temperature range	-40 to +85°C
Max. mechanical load	5400 pa

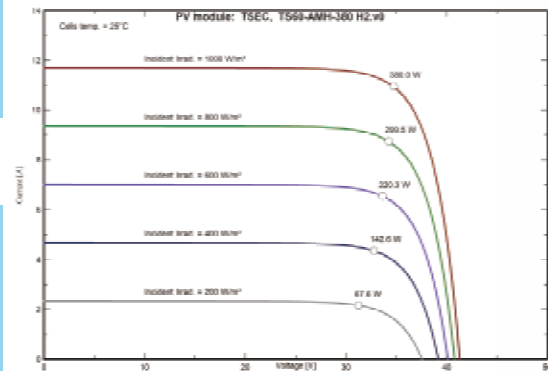
## Temperature Coefficient

Nominal Operating Cell Temperature	NOCT	°C	45±2
TC I <sub>sc</sub>	α	%/°C	0.06
TC V <sub>oc</sub>	β	%/°C	-0.30
TC P <sub>max</sub>	γ	%/°C	-0.38

## Module Dimensions and Weight

Dimension	1755 x 1038 x 40mm
Weight	20.5 Kgs

## IV Curve

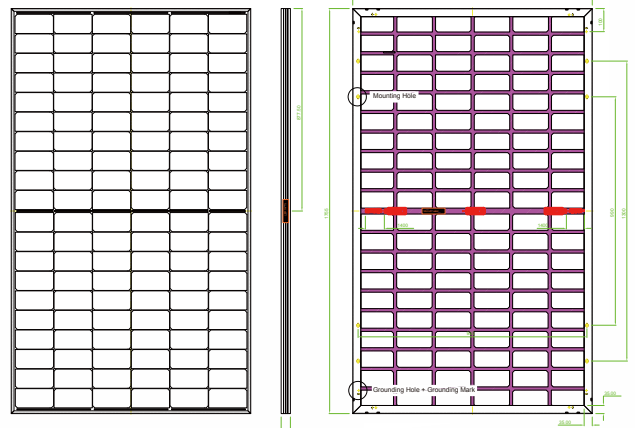
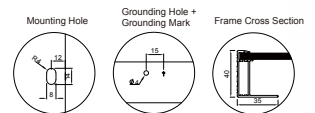


## Certifications

- IEC 61215:2016 \ IEC 61730-1:2016 & IEC 61730-2:2016
- ISO 9001:2015 Quality management system
- ISO 14001:2015 Environmental management system
- ISO 45001:2018 Occupational health and safety management system

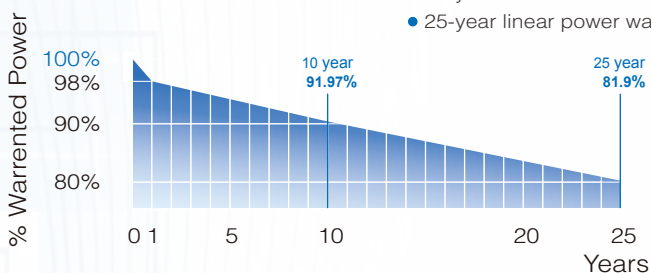


## Engineering Drawing(mm)



## Warranty

- 12-year materials and workmanship warranty
- 25-year linear power warranty



Made in Taiwan

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## TSEC Corporation

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Monocrystalline 6X20 Bifacial Solar Modules for Salt Field Type (166mm / M6 Solar Cell)

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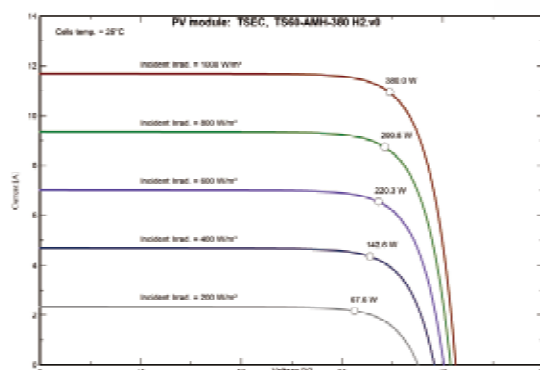


Connector	EVO-2 Compatible
Cable	1400mm / 4mm <sup>2</sup>

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Weight	20.5 Kgs

## IV Curve

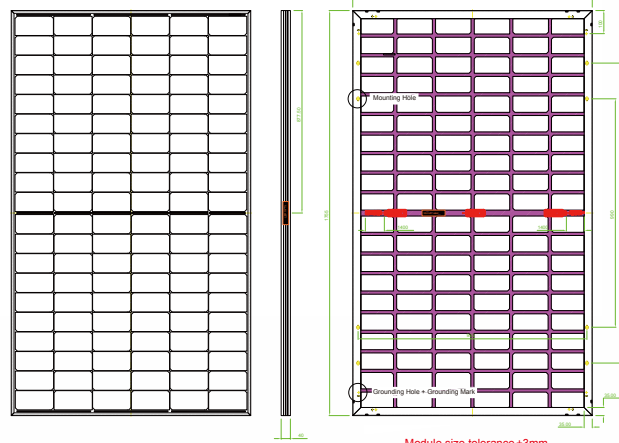
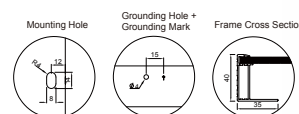


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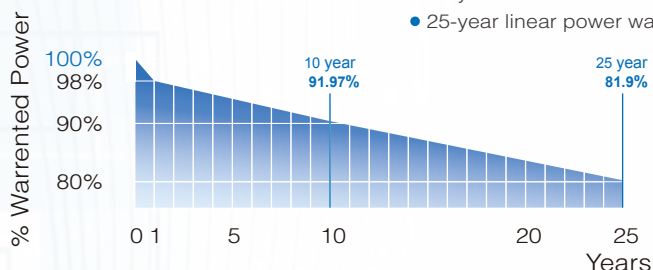


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