

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		
				5%	10%		5%	10%		5%	10%		5%	10%		5%	10%		5%	10%
Max. power at STC	P _{max}	W	355	373	391	360	378	396	365	383	402	370	389	407	375	394	413	380	399	418
Max. power voltage	V _{mp}	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 _{mp}	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 _{oc}	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 _{sc}	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/m²,25°C,AM 1.5): Power Tolerance ±3%
 * Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(m²) × 1000 (w/m²))] × 100%

General Data

Operation Conditions

Temperature Coefficient

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	Anti-Salt Mist 6063T5 aluminum (silver / black)
Junction Box	IP68



Connector	EVO-2 Compatible
Cable	1400mm / 4mm ²

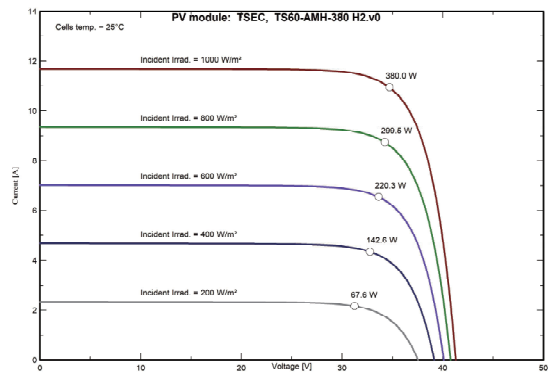
Max. system voltage	1500V
Module fire resistance class	Class C
Protection Class (IEC 61140)	Class II
Series fuse rating	25 A
Number of bypass diodes	3
Temperature range	-40 to +85°C
Max. mechanical load	5400 pa

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

Module Dimensions and Weight

Dimension	1755 x1038x40mm
Weight	20.5 Kgs

IV Curve

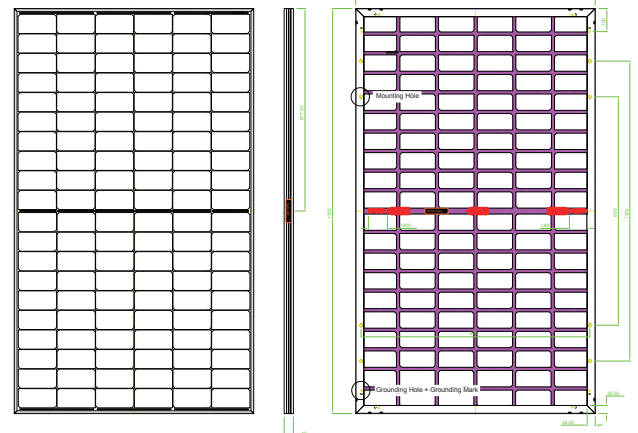
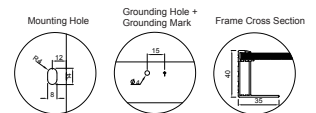


Certifications

- 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

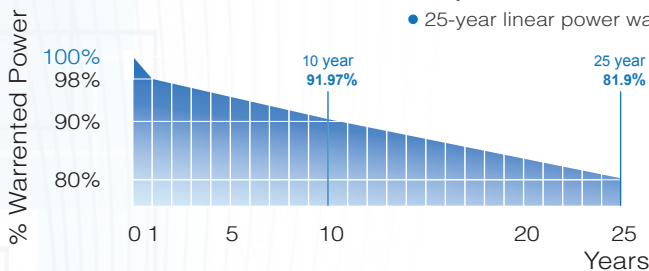


Engineering Drawing(mm)



Warranty

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



Made in Taiwan

* The information in this document is subject to change without notice * TSEC reserves the rights of final interpretation and revision of datasheet * Version : Rev.3, October 2022

TSEC Corporation

Taipei Headquarters | 8F., No.225, Sec3, Beixin Rd., Xindian Dist., New Taipei City 23143, Taiwan, R.O.C

T +886-2-2912-2199 F +886-2-2917-5399 M international.sales@tsecpv.com(Sales Contact) epc@tsecpv.com(EPC Construction Service)