

SkyHawk R-type Module Specification

Monocrystalline 6X20 Solar Modules for Rooftop Type

166mm / M6 Solar Cell

375Wp / 380Wp



1500V

Better LCOE



Advanced Non-Destructive Cutting Technology



The highest Mechanical Load Test in PV Industry



Multi Busbar Technology



The toughest Salt Mist Test in PV Industry



Improved module power output performance by reducing module working temperature

Green Energy

Made in Taiwan



Sustainable Development



SkyHawk R-type Module Specification(166mm / M6 Solar Cell) Monocrystalline 6X20 Solar Modules for Rooftop Type 355-380Wp

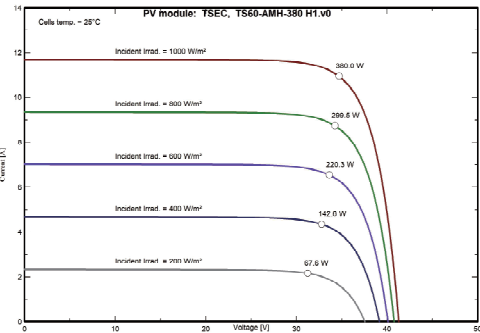


Electrial Data								General Data		
Model Name		TS60-AMH-355 H1	TS60-AMH-360 H1	TS60-AMH-365 H1	TS60-AMH-370 H1	TS60-AMH-375 H1	TS60-AMH-380 H1	Cell type	M6 Monocrystalline	
Max. power at STC	Pmax	W	355	360	365	370	375	380	Cell per module	Mono-crystalline silicon solar cell (120 pcs)
Max. power voltage	Vmp	V	33.80	34.00	34.20	34.40	34.60	34.80	Front	Low-iron tempered glass
Max. power current	Imp	A	10.51	10.59	10.68	10.76	10.84	10.92	Encapsulant Film	Ethylene Vinyl Acetate(EVA)
Open circuit voltage	Voc	V	40.32	40.50	40.70	40.90	41.10	41.30	Rear	Composite film
Short circuit current	Isc	A	11.25	11.34	11.43	11.52	11.60	11.69	Frame	Anti-Salt Mist 6063T5 aluminum (silver/black)
Module Conversion Eff.	%		19.5%	19.8%	20.0%	20.3%	20.6%	20.9%	Junction Box	IP68
									Connector	EVO-2 Compatible
									Cable	1400mm / 4mm ²

* 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) x 1000 (w/m²))] x 100%

Temperature Coefficient				Operation Conditions		Module Dimensions and Weight	
Nominal Operating	NOCT	°C	45±2	Max. system voltage	1500V	Dimension	1755x 1038 x 40 mm
Cell Temperature				Module fire resistance class	Class C	Weight	20.5 Kg
TC Isc	α	%/ °C	0.06	Protection Class (IEC 61140)	Class II		
TC Voc	β	%/ °C	- 0.31	Series fuse rating	20 A		
TC Pmax	γ	%/ °C	- 0.38	Number of bypass diodes	3		
				Temperature range	-40 to +85°C		
				Max. mechanical load	5400 pa(front side) 3600 Pa(rear side)		

IV Curve

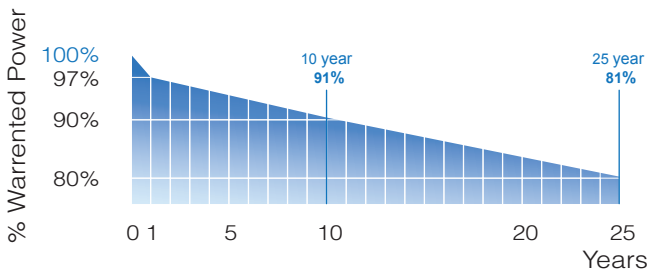
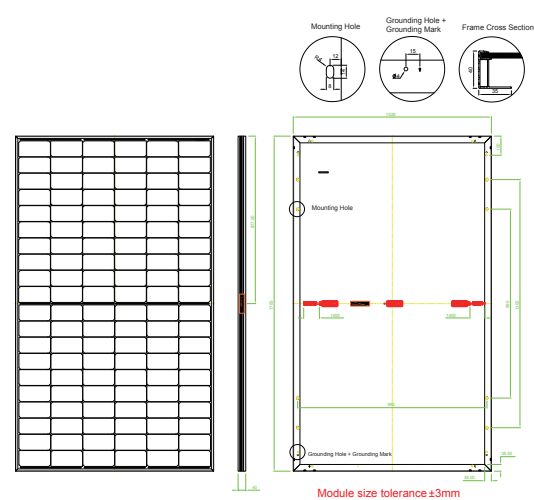


Certifications

- 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.4, March 2023

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