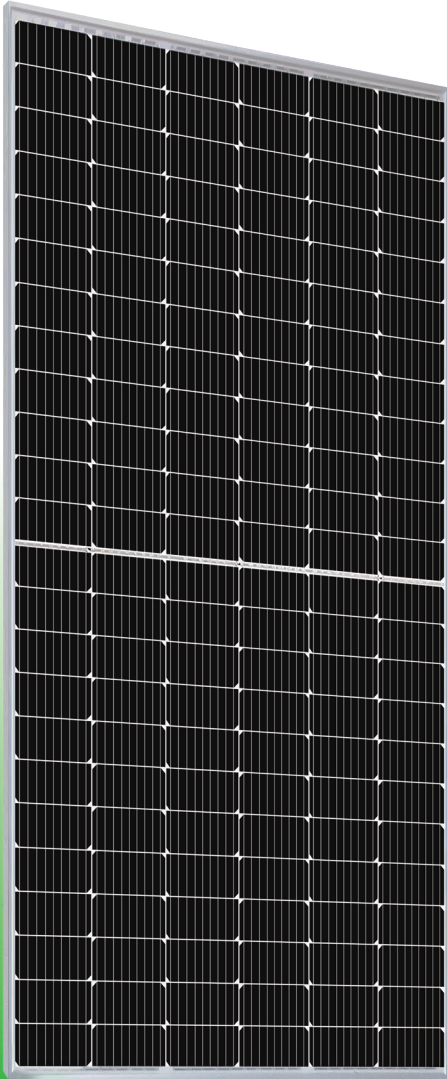




SkyHawk R-type Module Specification

Monocrystalline 6X24 Solar Modules for Rooftop Type

166mm / M6 Solar Cell

435~460Wp



Better LCOE



Multi Busbar Technology



Advanced Non-Destructive Cutting Technology



The toughest Salt Mist Test in PV Industry



The highest Mechanical Load Test in PV Industry



Improved module power output performance by reducing module working temperature

Green Energy

Made in Taiwan



Sustainable Development

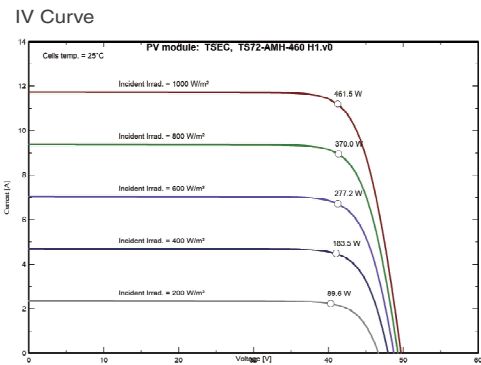


SkyHawk R-type Module Specification(166mm / M6 Solar Cell)
Monocrystalline 6X24 Solar Modules for Rooftop Type
435-460Wp



Electrial Data									General Data								
Model Name		TS72-AMH-435 H1		TS72-AMH-440 H1		TS72-AMH-445 H1		TS72-AMH-450 H1		TS72-AMH-455 H1		TS72-AMH-460 H1		Cell type	M6 Monocrystalline		
Max. power at STC		Pmax	W	435		440		445		450		455		460		Cell per module	Mono-crystalline silicon solar cell (144 pcs)
Max. power voltage		Vmp	V	40.90		41.10		41.30		41.50		41.70		41.90		Front	Low-iron tempered glass
Max. power current		Imp	A	10.64		10.71		10.78		10.85		10.92		10.99		Encapsulant Flim	Ethylene Vinyl Acetate(EVA)
Open circuit voltage		Voc	V	48.70		48.90		49.10		49.30		49.50		49.70		Rear	Composite film
Short circuit current		Isc	A	11.39		11.46		11.53		11.60		11.66		11.73		Frame	Anti-Salt Mist 6063T5 aluminum (silver/black)
Module Conversion Eff.			%	20.0%		20.2%		20.5%		20.7%		20.9%		21.2%		Junction Box	IP68
																	
* Under Standard Test Condition(1,000W/m²,25°C,AM 1.5): Power Tolerance ±3%, Voc Tolerance ±3%, Isc Tolerance ±3%																	
* Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(m²) x 1000 (w/m²)))] x 100%																	
ConnectorEVO-2 Compatible																	
Cable1400mm / 4mm²																	

Temperature Coefficient				Operation Conditions		Module Dimensions and Weight	
Nominal Operating	NOCT	°C	45±2	Max. system voltage	1500V	Dimension	2094 x 1038 x 40 mm
Cell Temperature				Module fire resistance class	Class C	Weight	23.5Kg
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)		



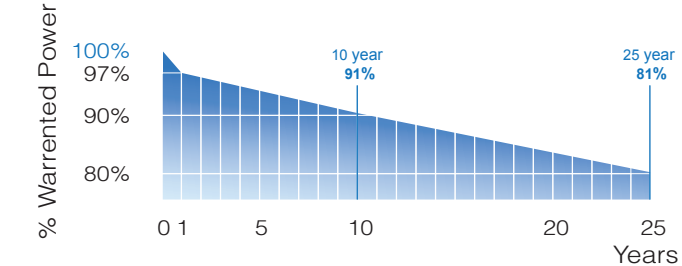
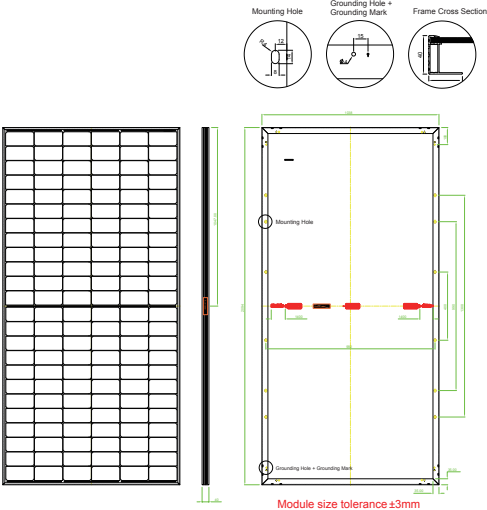
- Certifications
- IEC 61215:2016、IEC 61730-1:2016 & IEC 61730-2:2016
 - ISO 9001:2015 Quality management system
 - ISO 14001:2015 Environmental management system
 - ISO 45001:2018 Occupational health and safety management system



Management System:
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
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Engineering Drawing(mm)



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