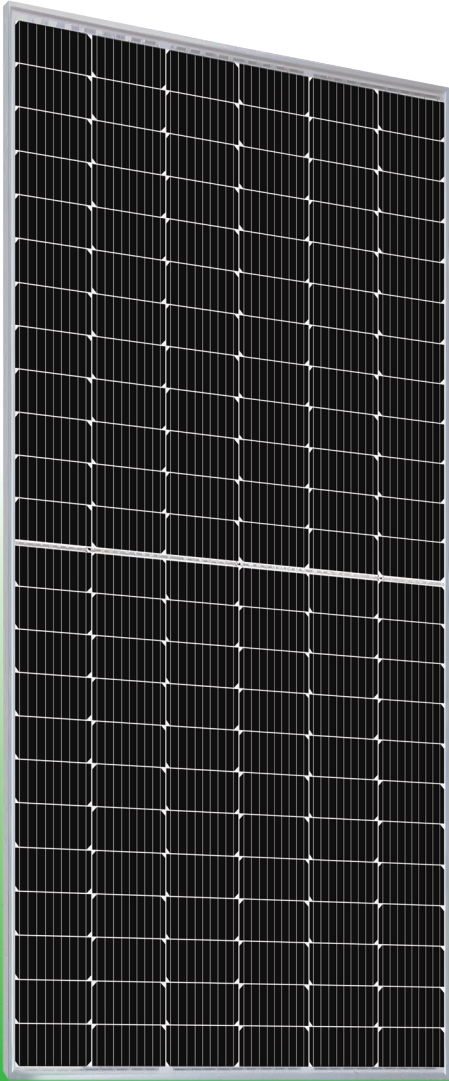




SkyHawk R-type Module Specification

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

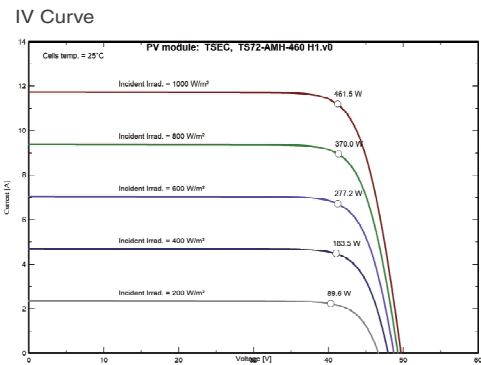


SkyHawk R-type Module Specification(166mm / M6 Solar Cell) Monocrystalline 6X24 Solar Modules for Rooftop Type 435-460Wp



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% * Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(m²) x 1000 (w/m²)))] x 100%										Connector	EVO-2 Compatible
										Cable	1400mm / 4mm²

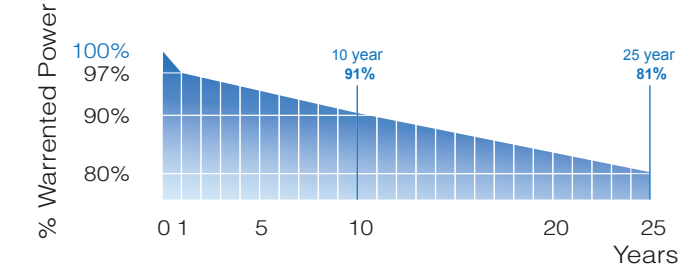
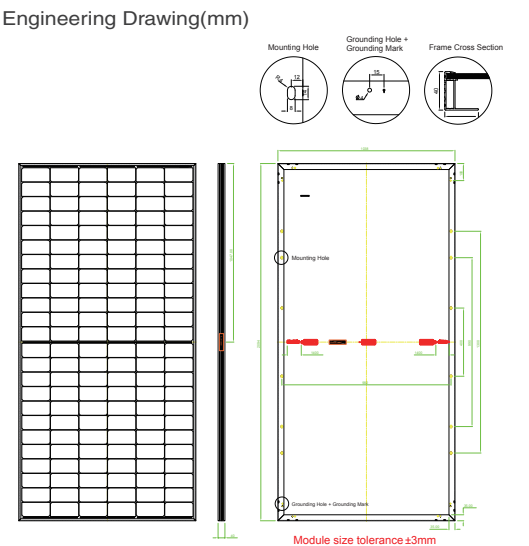
Temperature Coefficient				Operation Conditions		Module Dimensions and Weight	
Nominal Operating Cell Temperature	NOCT	°C	45±2	Max. system voltage	1500V	Dimension	2094 x 1038 x 40 mm
TC Isc	α	%/ °C	0.06	Module fire resistance class	Class C	Weight	23.5Kg
TC Voc	β	%/ °C	- 0.31	Protection Class (IEC 61140)	Class II		
TC Pmax	γ	%/ °C	- 0.38	Series fuse rating	20 A		
				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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- Warranty
- 12-year materials and workmanship warranty
 - 25-year linear power warranty