

## SkyHawk R-type Module Specification

Monocrystalline 6X24 Solar Modules for Rooftop Type

166mm / M6 Solar Cell

# 435~460Wp



**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

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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 Film	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/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> ) × 1000 (w/m <sup>2</sup> ))] × 100%										
								Connector	EVO-2 Compatible	
								Cable	1400mm / 4mm <sup>2</sup>	

### Temperature Coefficient

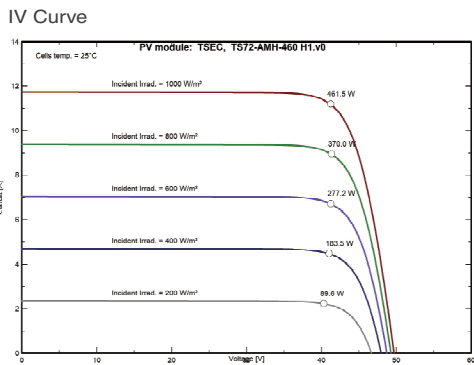
Nominal Operating Cell Temperature	NOCT	°C	45±2
TC Isc	α	%/ °C	0.06
TC Voc	β	%/ °C	- 0.31
TC Pmax	γ	%/ °C	- 0.38

### Operation Conditions

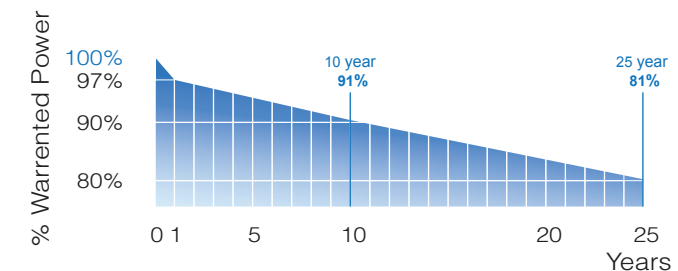
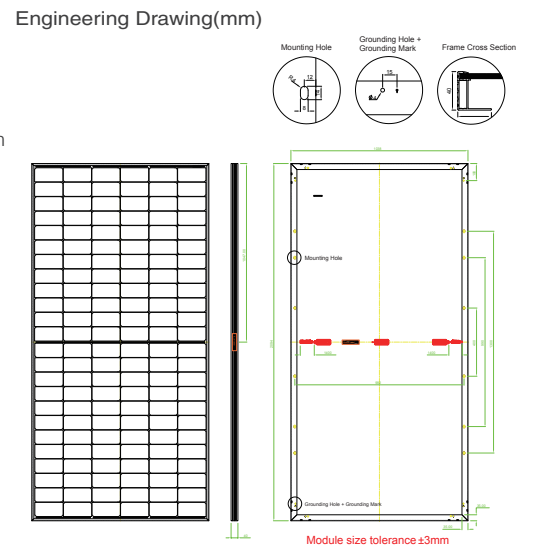
Max. system voltage	1500V
Module fire resistance class	Class C
Protection Class (IEC 61140)	Class II
Series fuse rating	20 A
Number of bypass diodes	3
Temperature range	-40 to +85°C
Max. mechanical load	5400 pa(front side) 3600 Pa(rear side)

### Module Dimensions and Weight

Dimension	2094 x 1038 x 40 mm
Weight	23.5Kg



- ### 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



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

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