

SkyHawk M-type Module Specification

Monocrystalline 6X24 Solar Modules for Salt Field 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



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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	P _{max}	W	435	440	445	450	455	460	Cell per module	Mono-crystalline silicon solar cell (144 pcs)
Max. power voltage	V _{mp}	V	40.90	41.10	41.30	41.50	41.70	41.90	Front	Low-iron tempered glass
Max. power current	I _{mp}	A	10.64	10.71	10.78	10.85	10.92	10.99	Encapsulant Film	Low water vapor transmission rate (WVTR) material
Open circuit voltage	V _{oc}	V	48.70	48.90	49.10	49.30	49.50	49.70	Rear	Anti-Salt Mist composite film
Short circuit current	I _{sc}	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 ² ,25°C,AM 1.5): Power Tolerance ±3%										
* Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(m ²) x 1000 (w/m ²))] x 100%										
Connector	EVO-2 Compatible									
Cable	1400mm / 4mm ²									

Temperature Coefficient

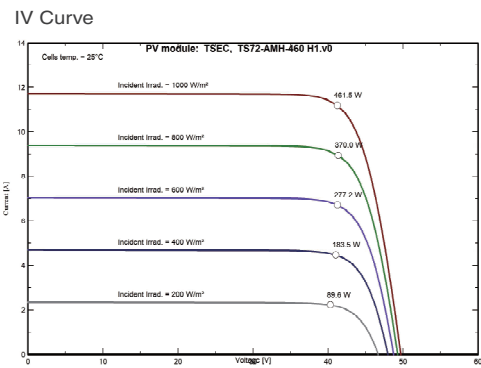
Nominal Operating Cell Temperature	NOCT	°C	45±2
TC I _{sc}	α	%/°C	0.06
TC V _{oc}	β	%/°C	- 0.31
TC P _{max}	γ	%/°C	- 0.38

Operation Conditions

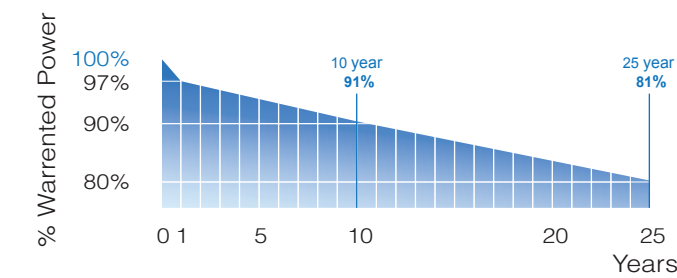
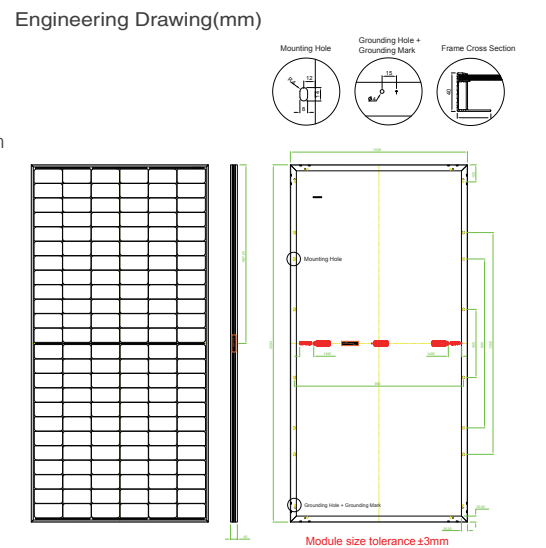
Max. system voltage	1500V
Module fire resistance class	Class C
Protection Class (IEC 61140)	Class II
Series fuse rating	20 A
Number of bypass diodes	3
Temperature range	-40 to +85°C
Max. mechanical load	5400 pa(front side) 3600 Pa(rear side)

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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