



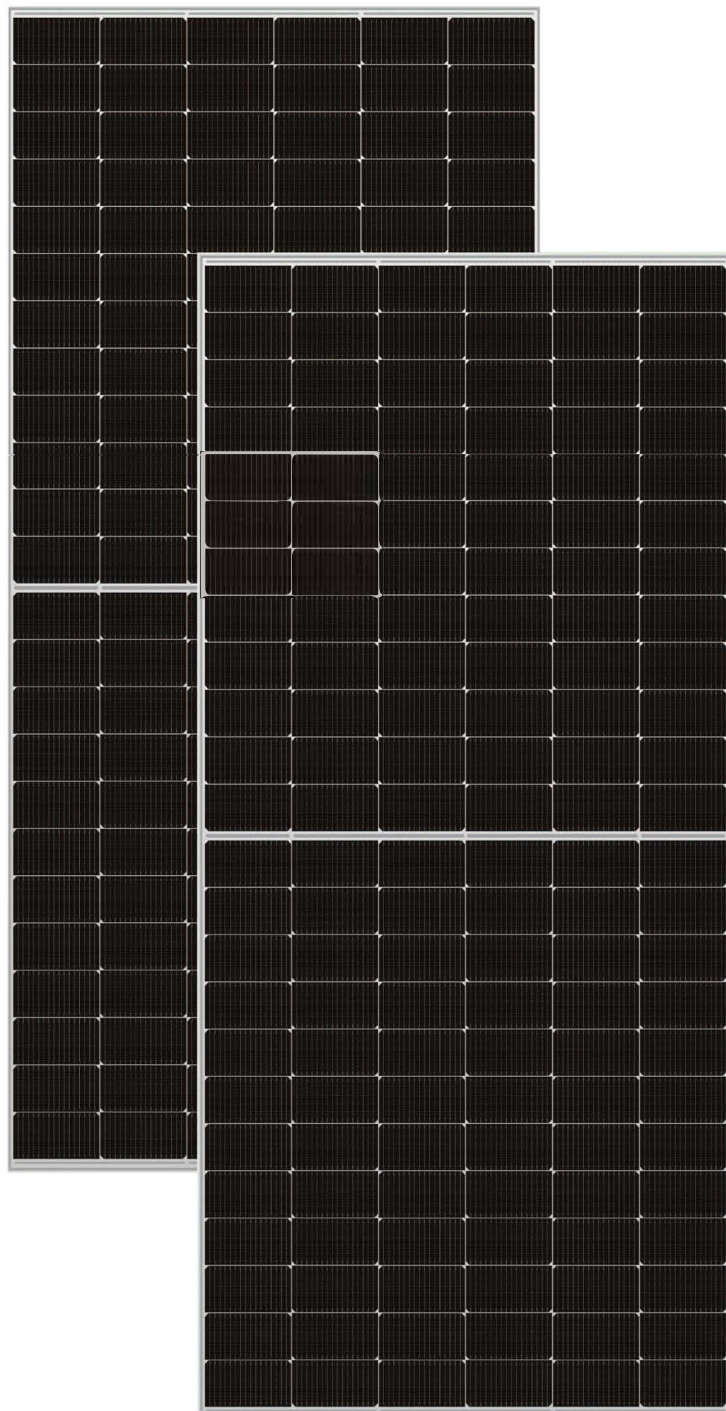
HS-M10N-72/2HP

570~590W

N-type high-efficiency
PV module

Product Introduction

Adopting efficient N-type TOPCon battery slicing technology, the conversion efficiency reaches 22.8%; N-type batteries naturally have no photo induced attenuation (LID); Passivation contact battery technology enables the product to have a better temperature coefficient and higher power generation compared to conventional components in working conditions; Multi density main gate technology, better light utilization and current collection ability, effectively improving product power output and reliability; Better weak light response enables the product to have higher power output compared to conventional components under low light conditions such as haze and cloudy days.



Electrical characteristics

Component model	HS-M10N-72/2HP 570W	HS-M10N-72/2HP 575W	HS-M10N-72/2HP 580W	HS-M10N-72/2HP 585W	HS-M10N-72/2HP 590W
Max power (Pmax)	570WP	575WP	580WP	585WP	590WP
Max power voltage (Vmp)	42.99V	43.17V	43.35V	43.53V	43.71V
Max power current (Imp)	13.26A	13.32A	13.38A	13.44A	13.50A
Open circuit voltage (Voc)	51.99V±3%	52.15V±3%	52.31V±3%	52.47V±3%	52.63V±3%
Short circuit current (Isc)	13.89A±3%	13.95A±3%	14.01A±3%	14.07A±3%	14.13A±3%
Module eff (%)	22.1%	22.3%	22.5%	22.7%	22.8%
Output power tolerance	0~+5w				
Temperature coefficient of Pmax	-0.29%/°C				
Temperature coefficient of Voc	-0.25%/°C				
Temperature coefficient of Isc	0.045%/°C				
Standard test conditions	Irradiance 1000W/m²,battery temperature 25°C,spectrum am1.5G				

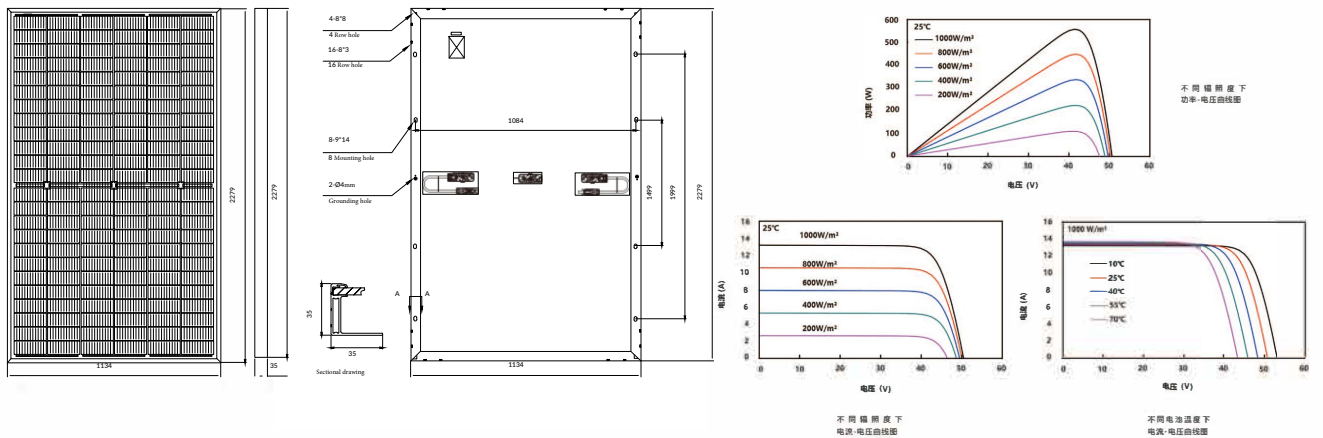
Structural parameters

Battery type	Mono N-TOPCon(182*91mm)	Front Cover Glass	3.2mm high light transmittance,low iron,tempered glass
Number of bat teries	144 (6*24)	Frame	Anodic alumina alloy
Component size	2279*1134*35mm ±2mm	Component weight	27.5KG±3%
Connection box	IP68,three diodes	Connector	QC4.10-35 (1500V)
Cross sectional area of output conductor	4mm ² (IEC) ,12AWG (UL)	Output wire length	300mm (+) /300mm (-)

Application conditions

Maximum system voltage	DC1500V (IEC)	Maximum staticload,front	5400Pa (1121b/ft²)
Operating temperature range	-40°C~+85°C	Maximum staticload,back	2400Pa (501b/ft²)
Maximum rated fuse current	25A	Through hail test	25mm diameter,impact speed23m/s

Assembly dimensions and electrical performance curves



Packaging information

33 pieces/pallet 660 pieces/40HQ 726 pieces/45HQ 726 pieces/13m truck 1014 pieces/17.5m truck