

HS-M10-72/2HP

525~ 550W

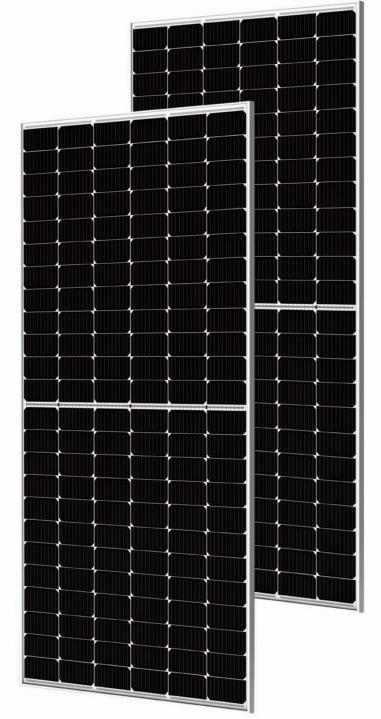
Product introduction

With the high-efficiency 182 series PERC cell half-cell tehnology,the product has higher output power and excellent performance in terms of shielading loss and temperature coefficient.

Meanwhile, applying the cell-cutting technology has effectively reduced the risk of hot spots of high-power components, and it shows better power generation performance in system applications with higher reliability.

















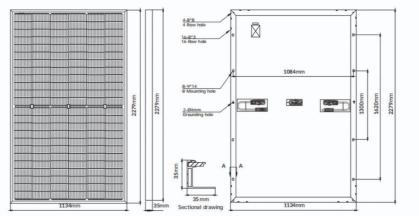


Electrical characteristics									
Component model	HS-M10-72/2HP 525W	HS-M10-72/2HP 530W	HS-M10-72/2HP 535W	HS-M10-72/2HP 540W	HS-M10-72/2HP 545W	HS-M10-72/2HP 550W			
Max power (Pmax)	525WP	530WP	535WP	540WP	545WP	550WP			
Max power voltage (Vmp)	41.47V	41.63V	41.80V	41.96V	42.12V	42.28V			
Max power current (Imp)	12.66A	12.73A	12.80A	12.87A	12.94A	13.01A			
Open circuit voltage (Voc)	49.59V	49.74V	49.89V	49.04V	50.18V	50.32V			
Short circuit current (Isc)	13.55A	13.62A	13.69A	13.76A	13.83A	13.90A			
Module (%)	20.31%	20.51%	20.70%	20.79%	21.09%	21.28%			
Output power tolerance	0~+5w								
Temperature coefficient of Pmax	-0.360%/°C								
Temperature coefficient of Voc	-0.280%/°C								
Temperature coefficient of Isc	0.050%/°C								
Standard test conditions	Irradiance1000W/m²,batterytemperature25°C,spectrum am1.5g								
Application conditions									

Application conditions								
Solar Cells	Mono PERC 182x182mm	Front Cover Glass	3.2mm high light transmittance,low ir on temperd glass					
Number of Cells	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)					
Crosssectional area of output conductor	sssectional area of outputconductor 4mm² (IEC) ,12AWG (UL)		300mm (+) /300mm (-)					
Structural parameters								
Maximum system voltage DC1500V (IEC)		Maximum staticload,front	5400Pa (1121b/ft²)					
Operating temperature range	-40°C~+85°C	Maximum staticload,back	2400Pa (501b/ft²)					

Assembly dimensions

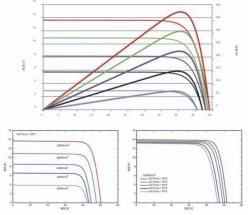
Through hail test



山东硕响新能源科技有限责任公司 HISEM NEW ENERGY TECHNOLOGY CO., LTD

25A

Maximum rated fuse current



25mm diameter,impact speed23m/s

Packagig information

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

*HISEM 頭响科技

HS-M10N-72/2HP

570~590W



Prduct Introduction

Adopting efficient N-type TOPCon battery slicing technology, the conversion efficiency reaches 22.8%; N-type batteries naturally have no photo induced attenua-tion(LID);Passivation contact battery technology enables the product to have a better tempera-ture coefficient and higher power generation compared to conven-tional 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 pover output compared to conventional com-ponets under low light conditions such as haze and cloudy days.



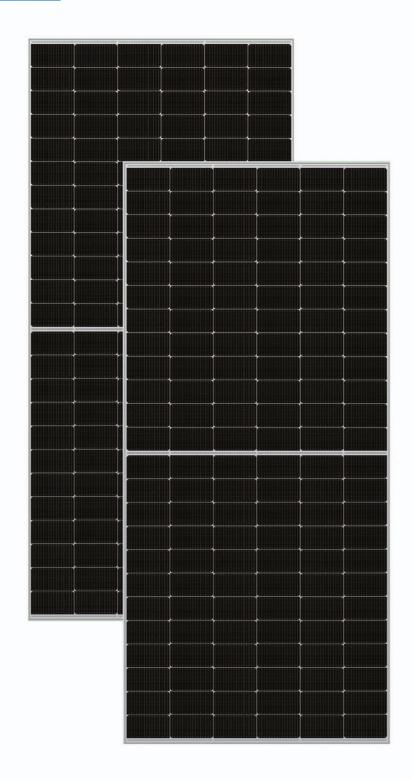








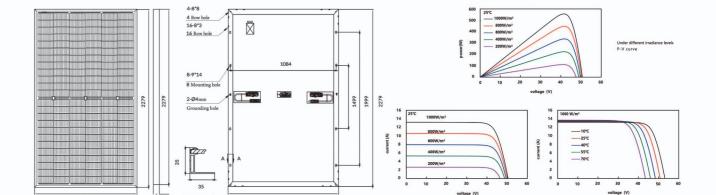




Electrical characteristics										
Component model	HS-M10N-72/2HP 570W	HS-M10N-72/2F 575W	HP HS-M10N-72/2HP 580W	HS-M10N-72/2HP 585W	HS-M10N-72/2HP 590W					
Max power (Pmax)	570WP	575WP	580WP	585WP	590WP					
Max power voltage (Vmp)	42.99V	43.17V	43.35V	43.53V	43.71V					
Max power current (Imp)	13.26A	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*35mr	m ±2mm	Component weight	27.5KG±3%						

QC4.10-35 (1500V) IP68, three diodes Connector Connection box 4mm² (IEC) ,12AWG (UL) Output wire length 300mm (+) /300mm (-) Cross sectional area of output conductor **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 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

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