



HS-M10-72/2HP

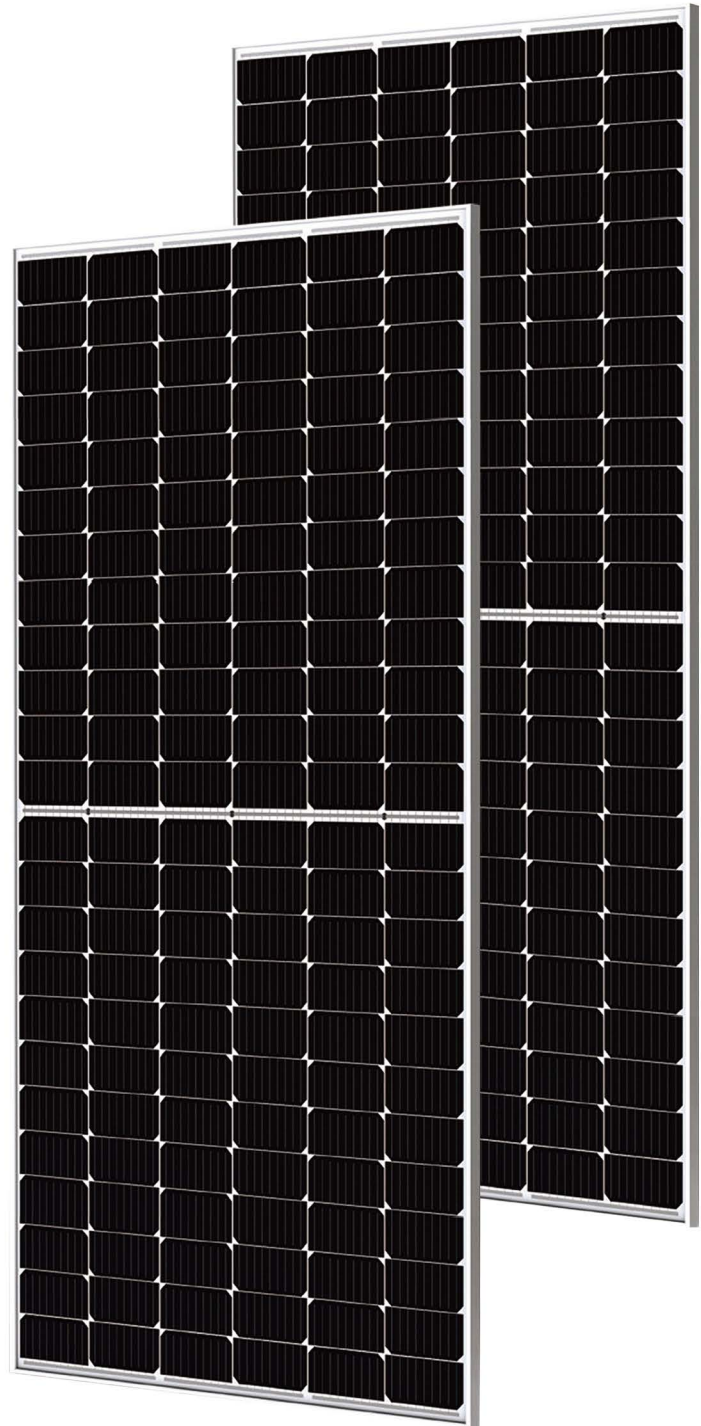
525 ~ 550W

PERC MONO
SOLAR PANEL

Product introduction

With the high-efficiency 182 series PERC half-cell technology, 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/m ² ,batterytemperature25°C,spectrum am1.5g					

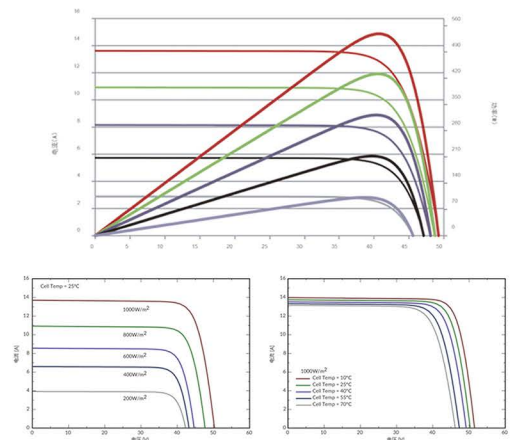
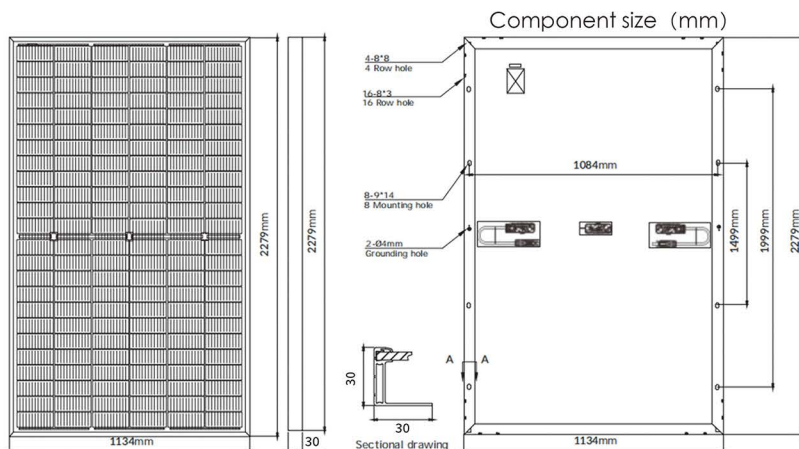
Application conditions

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*30mm ±2mm	Component weight	26.5KG±3%
Connection box	IP68,three diodes	Connector	1500V
Crosssectional area of outputconductor	4mm ² (IEC) ,12AWG (UL)	Output wire length	300mm (+) /300mm (-)

Structural parameters

Maximum system voltage	DC1500V (IEC)	Maximum staticload,front	5400Pa (1121b/ft ²)
Operating temperature range	-40°C~+85°C	Maximum staticload,back	2400Pa (501b/ft ²)
Maximum rated fuse current	25A	Through hail test	25mm diameter,impact speed23m/s

Assembly dimensions



Packagig information

38 pieces/pallet 760 pieces/40HQ 760 pieces/13m truck 1187 pieces/17.5m truck