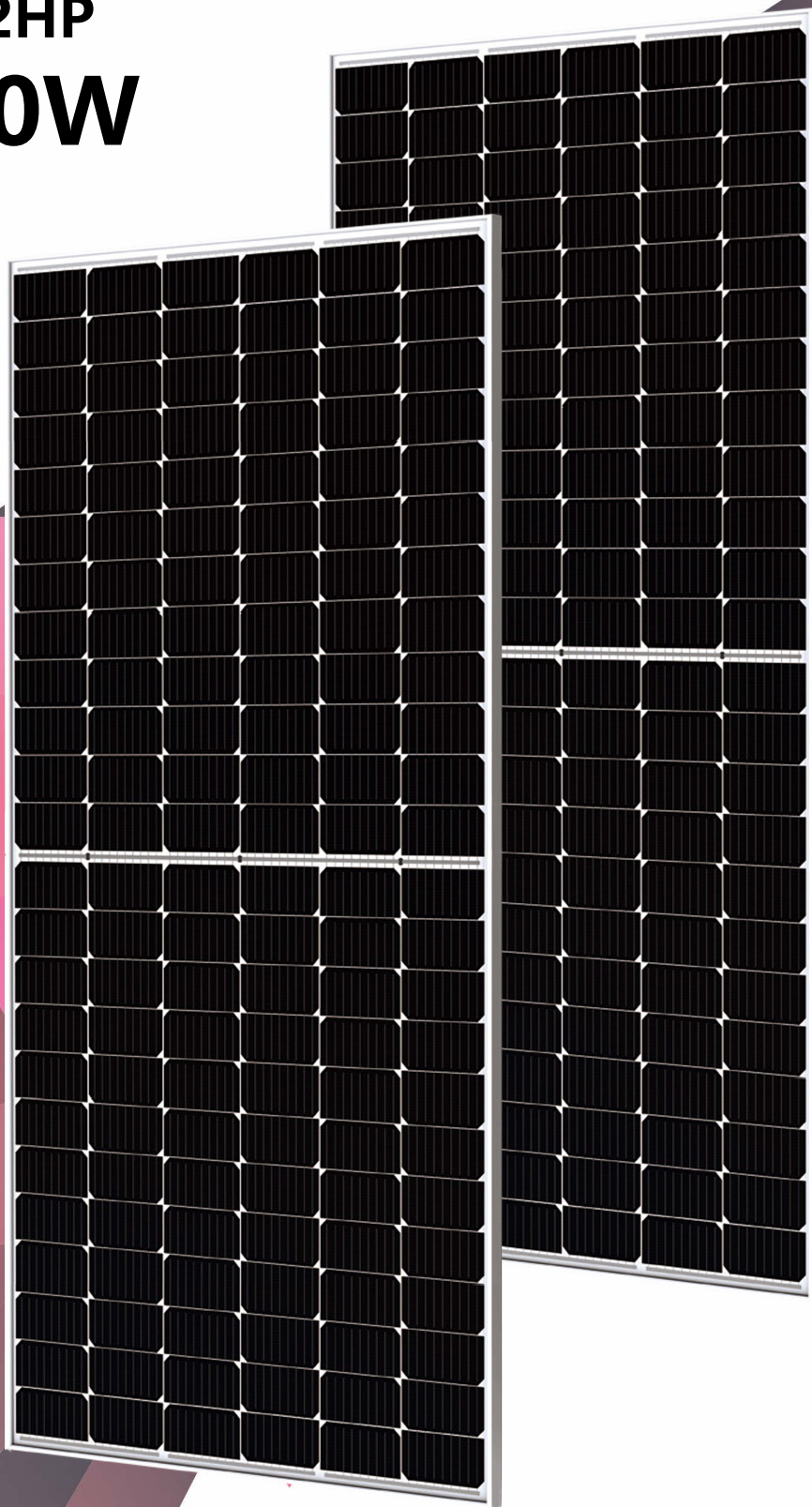


HS-M10-72/2HP

525~550W



Product introduction

With the high-efficiency 182 series PERC cell half-cell technology, the product has higher output power and excellent performance in terms of shielding 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

Module type	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	50.04V	50.18V	50.32V
Short circuit current(Isc)	13.55A	13.62A	13.69A	13.76A	13.83A	13.90A
Module eff(%)	20.31%	20.51%	20.70%	20.89%	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 , spectrum am1.5g					

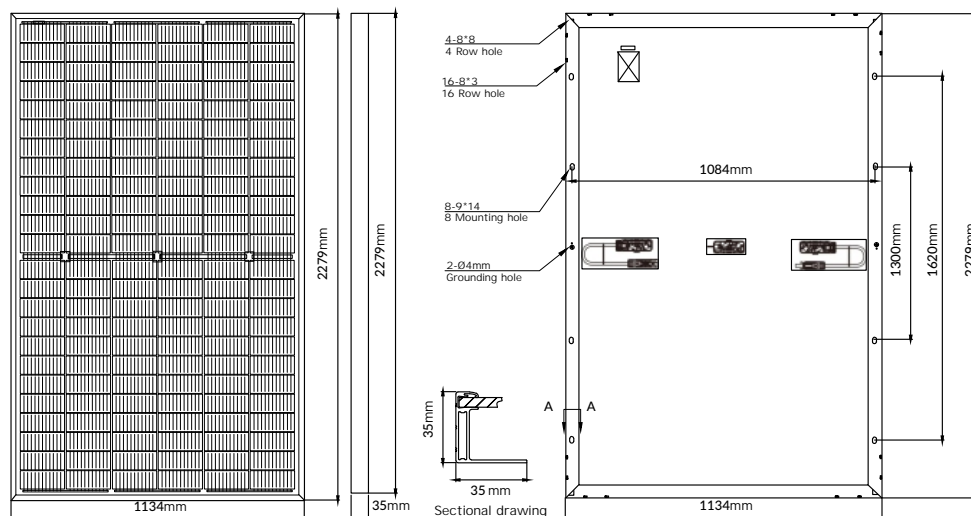
Structural parameters

Solar Cells	Mono PERC 182×182mm	Front Cover Glass	3.2mm high light transmittance, low iron, tempered glass
Number of batteries	144(6X24)	Frame	Anodic alumina alloy
Component size	2279±2mm*1134±2mm*35±1mm	Component weight	27.5KG±3%
Connection box	IP68, three diodes	Connector	QC4.10(1000V) QC4.10-35(1500V)
Crosssectional area of outputconductor	4mm ² (IEC),12AWG(UL)	Output wire length	300mm (+) / 400mm (-)

Application conditions

Maximum system voltage	DC1500V(IEC)	Maximum staticload, front	5400Pa (112lb/ft ²)
Operating temperature range	-40°C ~ +85°C	Maximum staticload, back	2400Pa (50lb/ft ²)
Maximum rated fuse current	25A	Through hail test	25mm diameter, impact speed23m/s

Assembly dimensions



Packaging information

33 pieces/tray	660 pieces/40hq	726 pieces/45hq	726 pieces/13.5m flatbedtruck	990 pieces/17.5m flatbedtruck
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