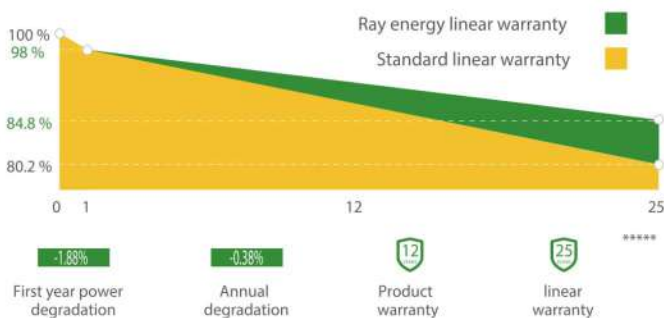




440-460 Watt

MONOFACIAL MODULE

Industry-leading Warranty based on nominal power



Features



High module conversion efficiency

Module efficiency up to 21.2% achieved through advanced cell technology and manufacturing process



Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset



Current sorting process

Up to 2 % power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output



Extended wind and snow load tests

Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal) *



Lower operating temperature

Lower operating temperature and temperature coefficient increases the power output



Withstanding harsh environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline

MONO PERC 144MH



POWER RANGE

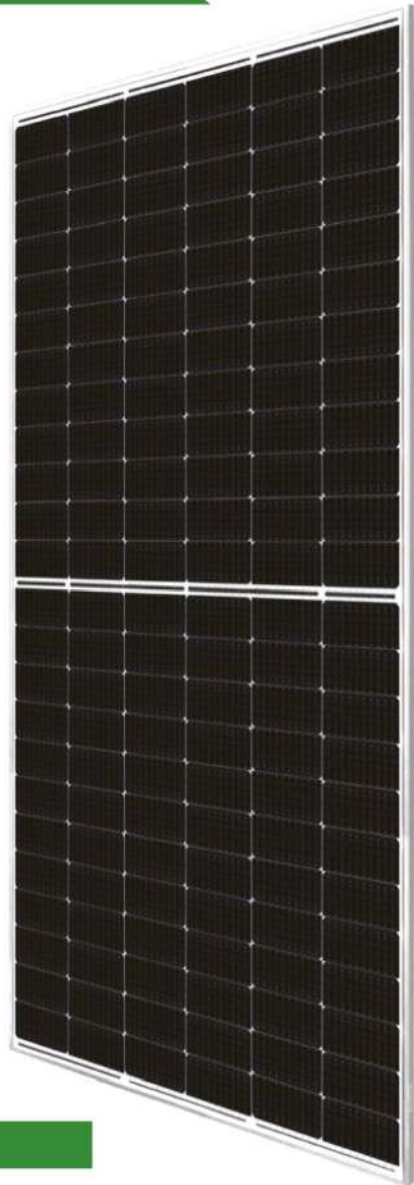
525W~550W

CELL SIZE

182*91mm



10BB



JUNCTION BOX

Waterproof protection grade: IP67/IP68
Safety Level: Class II
Maximum System Voltage: 1500V
outstanding waterproof level
Effectively resist harsh environments



Frame

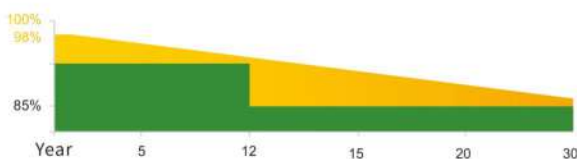
Strong mechanical load
resistance up to 5400Pa
Anodic oxidation layer resistant to
chemical corrosion available
in silver and black

QUALIFICATIONS AND CERTIFICATES



· IEC61215 / · IEC61730

WARRANTY



12 YEARS Guarantee on product material and workmanship

30 YEARS Linear Power output warranty



Half-cut Technology

New circuit design, lower internal current and
lower internal resistance loss



Significantly avoiding heat spot

The unique circuit design to reduce the temperature
of heat spot significantly, so that to reduce the power loss
and then increase the output of modules.



Lower cost

Increasing power generation can reduce the
cost per kilowatt-hour



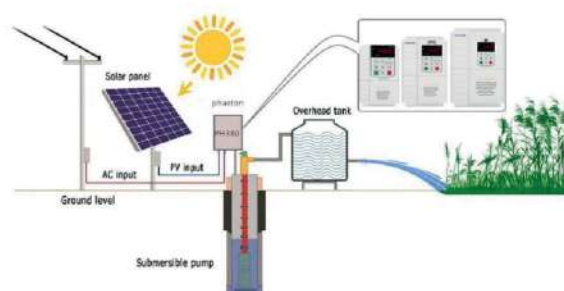
Excellent performance of PID resistance

The performance of PID resistance (Potential Induced
Degradation) passed the standard of TUV Nord.

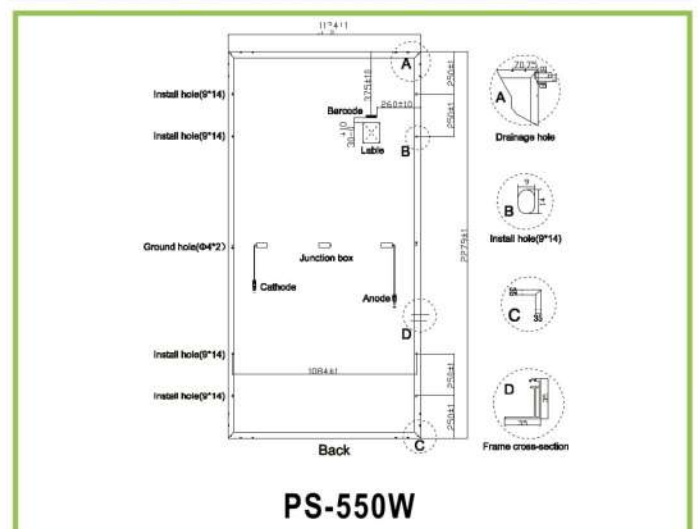
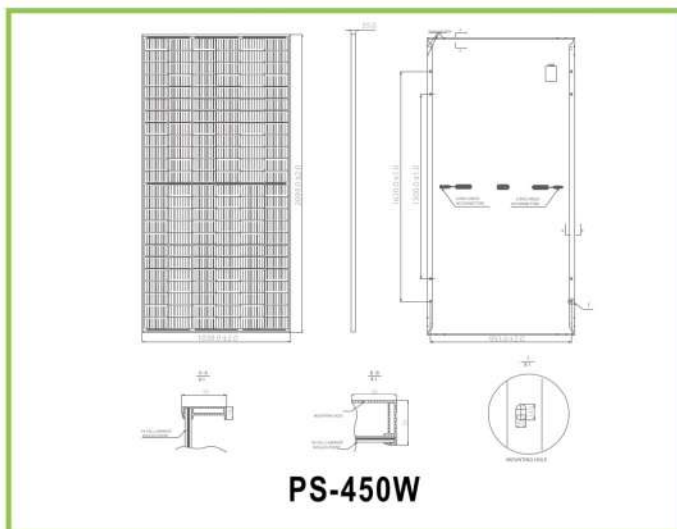
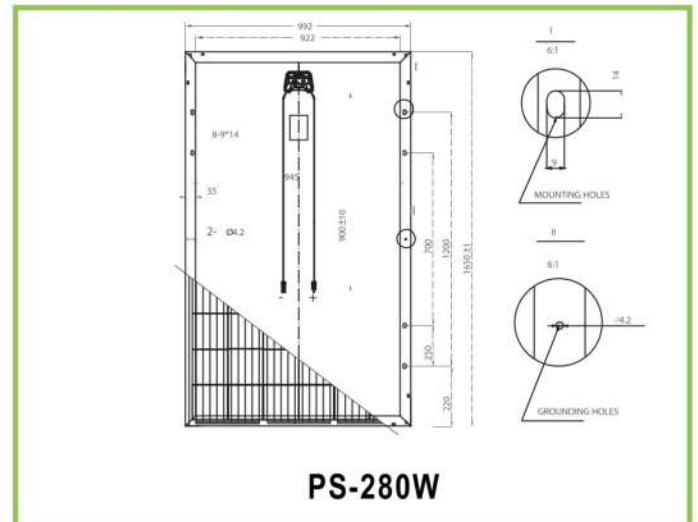
REFERENCE	DESIGNATION
MR380-1,5-2S-M	S 1,5KW 7A,150-450VDC/AC220V INPUT AND 0-220V AC OUTPUT
MR380-2,2-2S-M	S 2,2KW 9A,150-450VDC/AC220V INPUT AND 0-220V AC OUTPUT

REFERENCE	DESIGNATION
MR380-4,0-4T	4KW 9A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-5,5-4T	5,5KW 13A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-7,5-4T	7,5KW 17A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-11-4T	11KW 25A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-15-4T	15KW 32A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-18-4T	18KW 37A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-22-4T	22KW 45A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT

REFERENCE	DESIGNATION
MR380-30-4T	30KW 60A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-37-4T	37KW 75A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-45-4T	45KW 91A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-55-4T	55KW 110A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT
MR380-75-4T	75KW 150A,250-800VDC/AC380V INPUT AND 0-440V AC OUTPUT



REFERENCE	PUISSANCE
PS-550W	550
PS-450W	450
PS-280W	280



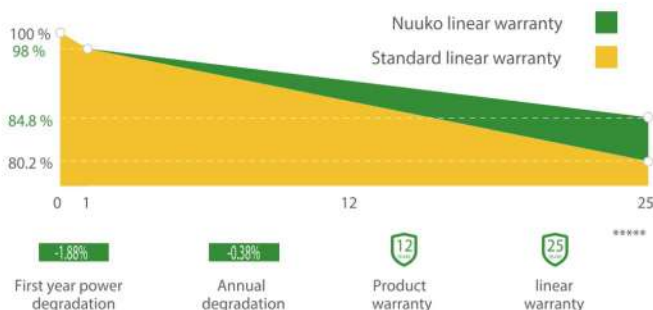
ELECTRICAL SPECIFICATIONS						
TYPE	280W		450W		550W	
	STC	NOCT	STC	NOCT	STC	NOCT
Open Circuit Voltage (Voc)	38.5	35.6	49.3	46.2	50.1	46.92
Maximum Power Voltage (Vmpp/V)	31.6	29.3	41.5	38.6	42.1	39.09
Short Circuit Current (Isc/A)	9.29	7.52	11.60	9.38	14.01	11.2
Maximum Power Current (Impp/A)	8.86	7.07	10.85	8.70	13.16	10.46
Module Efficiency (%)	17.20%		20.70%		21.28%	
MAXIMUM RATINGS						
Maximum System Voltage	1000V/1500V DC		1000V/1500V DC (IEC)		1500V	
Operating Temperature	-40°C ; +85°C		-40°C ; +85°C		-40°C ; +85°C	
Maximum Series Fuse	15A		20A		25A	
Static Loading	Snow loading: 5400Pa / Wind loading: 2400Pa					
TEMPERATURE CHARACTERISTICS						
Isc Temperature coefficients (%/°C)	+0.06%/°C		+0.043%/°C		+0.045%/°C	



270-285 Watt

POLY CRYSTALLINE MODULE

Industry-leading Warranty based on nominal power



Features



IP68 junction box, connector

IP68 junction box and connector have a high degree of waterproof, effectively resist the harsh environment;



PID Resistant

Excellent PID resistance at 96 hours (85 °C/85%) test, and also can be improved to meet higher standards for the particularly harsh environment;



Anti-Crack

Excellent anti-microcracking performance with more balanced interior stress;



15A current

The junction box carries a current of 15A, ensuring high current flow through the modules;



Super strong frame

Glue-spilled tank has a double-layer waterproof, cross-section with hook-shaped aluminum frame, enhanced by 10% of the mechanical load strength;



Strong mechanical load capacity

Passed the 2400pa wind load and 5400pa snow load test, ensuring that the module has a stable mechanical life;