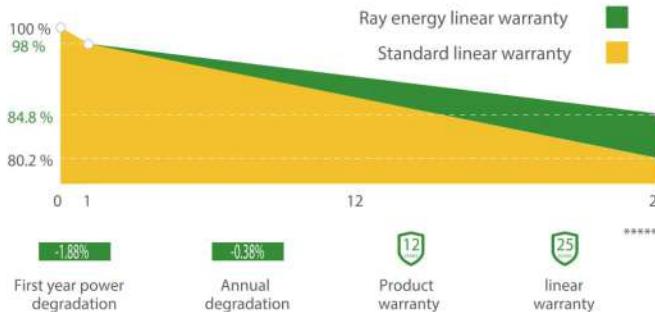




440-460 Watt

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

POWER RANGE

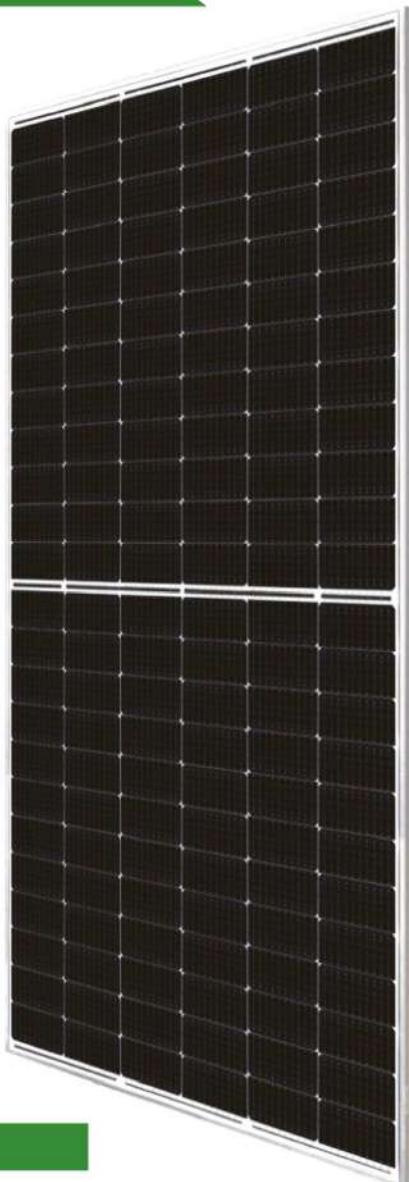
525W~550W

CELL SIZE

182*91mm



10BB

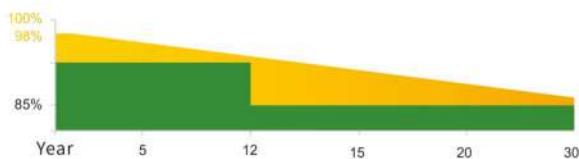


QUALIFICATIONS AND CERTIFICATES



·IEC61215 / · IEC61730

WARRANTY



Guarantee on product material and workmanship



Linear Power output warranty



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



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

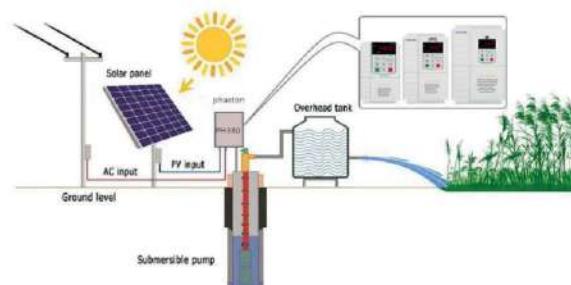
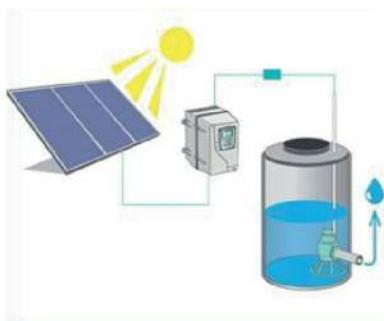
The performance of PID resistance(Potential Induced Degradation) passed the standard of TUV Nord.

VARIATEURS SOLAIRES

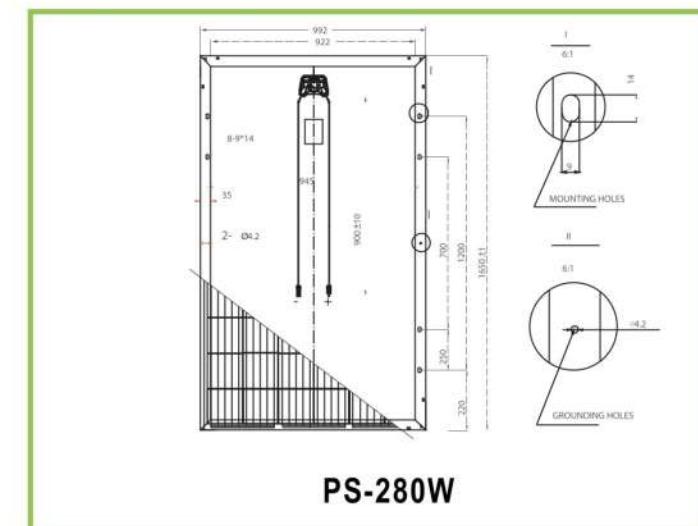
REFERENCE	DESIGNATION
MR380-1,5-2S-M	S 1,5KW 7A,150-450VDC/AC220V INPUT AND 0-220V AC OUTPUT
MR380-2,2-2S-M	S 2,2KW 9A,150-450VDC/AC220V INPUT AND 0-220V AC OUTPUT

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	PUISANCE
PS-550W	550
PS-450W	450
PS-280W	280



PS-280W



PS-450W

PS-550W

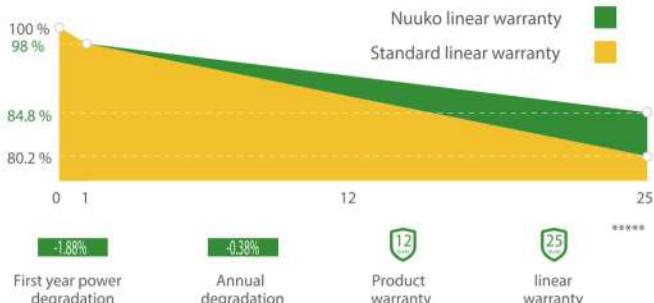
ELECTRICAL SPECIFICATIONS										
TYPE	280W		450W		550W					
	STC	NOCT	STC	NOCT	STC	NOCT				
Open Circuit Voltage (Voc)	38.5	35.6	49.3	46.2	50.1	46.92				
Maximum Power Voltage (Vmpp/V)	31.6	29.3	41.5	38.6	42.1	39.09				
Short Circuit Current (Isc/A)	9.29	7.52	11.60	9.38	14.01	11.2				
Maximum Power 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;