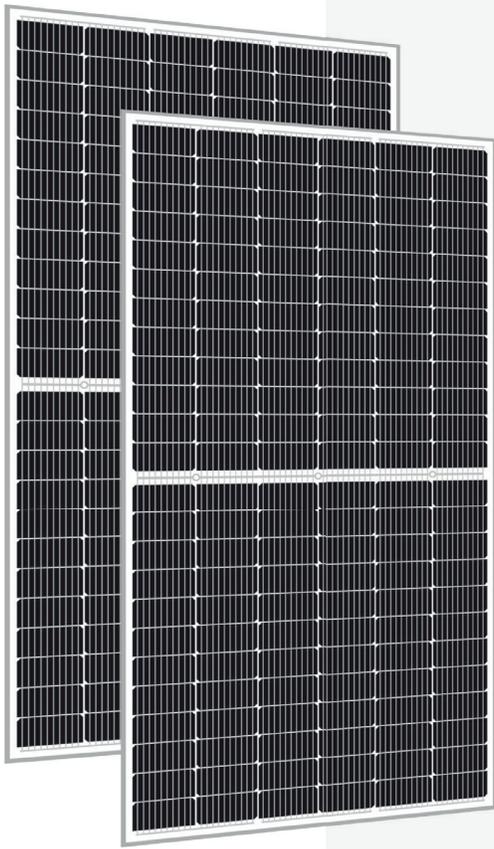




UVCELL 550-72MHB-M10

MONO PERC HALF-CELL BIFACIAL SOLAR MODULE



KEY FEATURES:



High efficiency PERC

A high efficiency 182 (M10) PERC solar cell with 10 busbars technology to ensure the efficiency of the solar module up to 20.90% and stable operation.



Bifacial power generation

Double-sided panels that generates power from front and back (90% front, 10% back).



Excellent performance with weak light

More power output with a weak light condition-through advanced glass and solar cells.



Wind / Snow load

Wind load 2400 pa, snow load 5400 pa.



PID Free

Excellent Anti-PID performance, minimized the degradation of power.



Resistance of extreme environment conditions

High Salt Mist and Ammonia resistance certified by TUV.

INSURED BY:

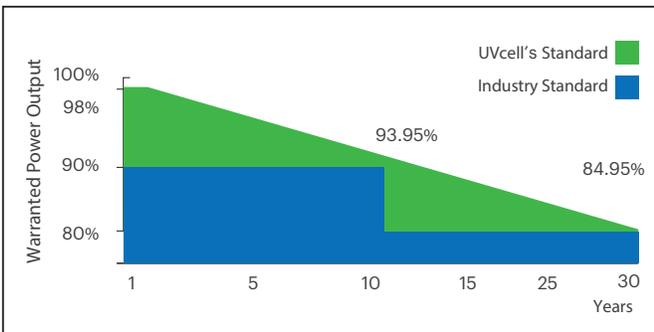
CHUBB

Munich RE

LINEAR PERFORMANCE WARRANTY:

12 yrs Product Warranty

30 yrs Linear Power Warranty



MANAGEMENT SYSTEM CERTIFICATES:

- ▶ ISO 9001:
2015 / QUALITY MANAGEMENT SYSTEM
- ▶ ISO 14001:
2015 / STANDARDS FOR ENVIRONMENTAL MANAGEMENT SYSTEM

PRODUCT CERTIFICATES:

- ▶ IEC 61215 / IEC 61730:VDE / CE / CEC AU
- ▶ UL 61730: CSA



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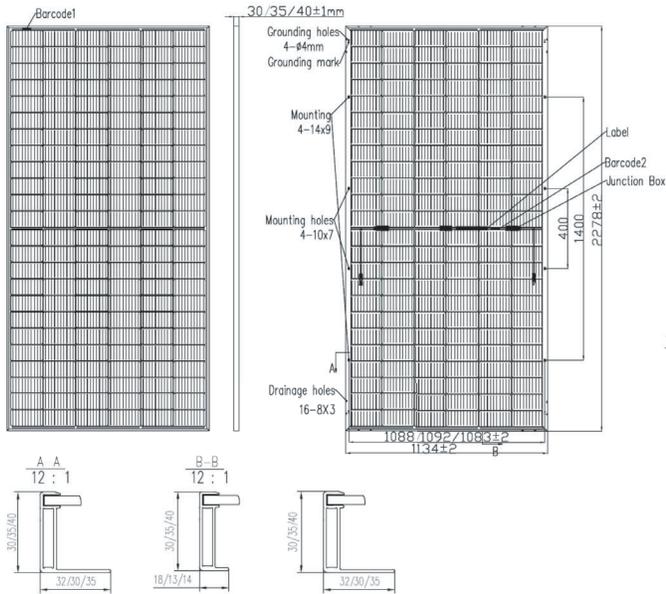
SPECIFICATIONS:

Module type	UVcell 535-72MHT-M10		UVCELL540-72MHT-M10		UVCELL545-72MHT-M10		UVCELL550-72MHT-M10	
	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)
Maximum power (Pmax)	535Wp	400Wp	540Wp	404Wp	545Wp	407Wp	550Wp	411Wp
Maximum power voltage (Vmp)	41.3V	38.4V	41.5V	38.5V	41.7V	38.7V	41.9V	38.9V
Maximum power current (Imp)	12.96A	10.42A	12.91A	10.45A	13.07A	10.49A	13.13A	10.56A
Open-circuit voltage (Voc)	49.6V	46.3V	49.8V	46.5V	50.60	46.7V	50.2V	46.9V
Short-circuit current (Isc)	13.71A	11.07A	13.77A	11.12A	13.83A	11.17A	13.89A	11.22A
Module efficiency STC (%)	20.71%		20.90%		21.10%		21.29%	
Operating temperature(°C)	-40°C~ 85°C							

ELECTRICAL CHARACTERISTICS WITH 25% REAR SIDE POWER GAIN:

Front power Pmax / W	535	540	545	550
Total power Pmax / W	669	675	681	688
Vmp / V (Total)	41.4	41.6	41.8	42.0
Imp / A (Total)	16.15	16.23	16.30	16.37
Voc / V (Total)	49.7	49.9	50.1	50.3
Isc / A (Total)	17.12	16.97	17.25	17.32

ENGINEERING DRAWING:



TEMPERATURE RATINGS

NOCT	44 ± 2°C
Temperature coefficients of Pmax	-0.35% / °C
Temperature coefficients of Voc	-0.29% / °C
Temperature coefficients of Isc	+0.05% / °C
Refer Bifacial Factor	70 ± 5%
Maximum system voltage	1000 / 1500 VDC
Maximum series fuse rating	30A

MATERIAL CHARACTERISTICS

Number of cell	144 (6*24)
Dimensions	2278*1134*30 / 35 / 40
Weight	33.5 / 34 / 34.5 Icg
Front glass	2.0mm+2.0mm heat strengthened glass
Frame	Anodized aluminium alloy
Junction box	Ip68, 3 diodes
Cables	12 AWG, length: 350mm or Customized
Connectors	MC4-Compatible

WORKING CONDITIONS

PACKAGING CONFIGURATION

40HQ 720 / 620 / 540 pcs

PV Module IV Curves:

- ▶ Electrical Performance vs. Incident Irradiance
- ▶ Current-voltage & power-voltage curves (540W)

