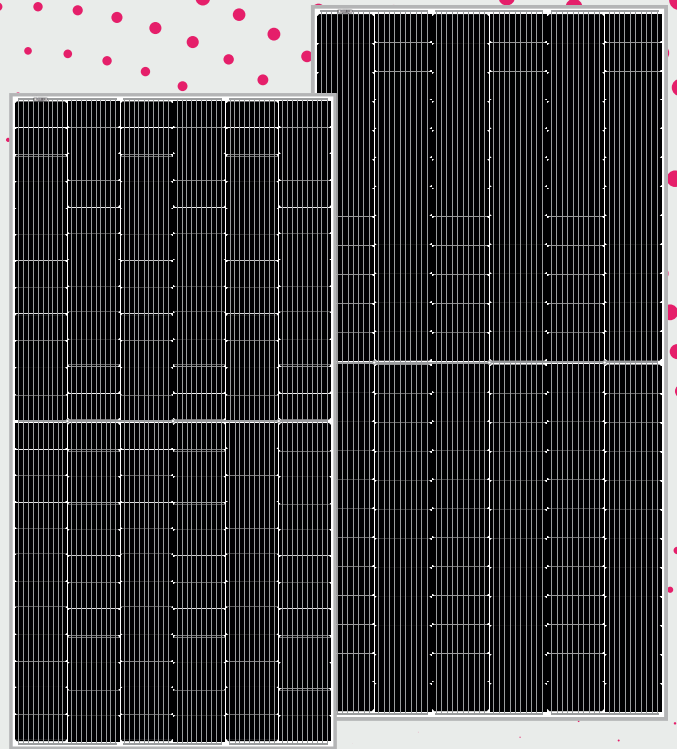




UVSELL 550-72MHB-M10

MONO PERC HALF-CELL BIFACIAL
SOLAR MOUDLE



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 21.29% and stable operation.



Bifacial power generation

Increases 10-30% power generation revenue.



Wind/Snow load

Wind load 2400 pa, snow load 5400 pa.



Pid free

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



Excellent performance with weak light

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

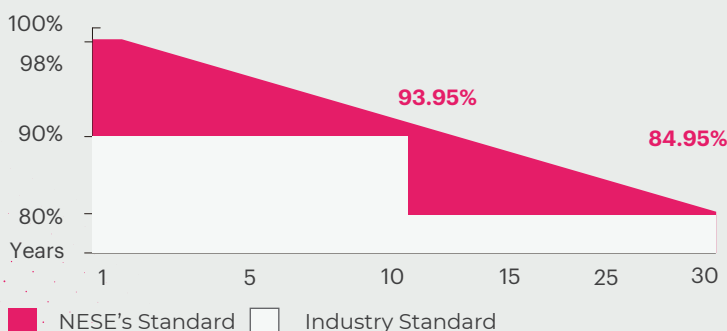


Resistance of extreme environment conditions

High salt mist and ammonia resistance certified by tuv.

LINEAR PERFORMANCE WARRANTY

12 YEARS PRODUCT WARRANTY. 30 YEARS LINEAR POWER WARRANTY.



MANAGEMENT SYSTEM CERTIFICATES

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

PRODUCT CERTIFICATES

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

INSURED BY

CHUBB® Munich RE

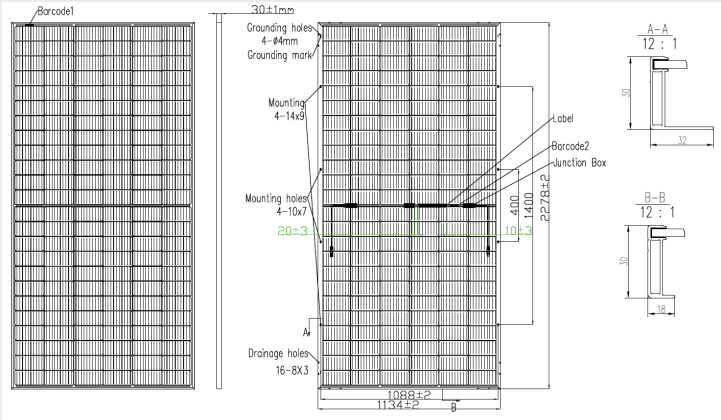
SPECIFICATIONS

Module type	UVCELL530-72MHB-M10		UVCELL535-72MHB-M10		UVCELL540-72MHB-M10		UVCELL545-72MHB-M10		UVCELL550-72MHB-M10	
	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)
Maximum power (Pmax)	530Wp	396Wp	533Wp	400Wp	540Wp	404Wp	545Wp	407Wp	550Wp	411Wp
Maximum power voltage (Vmp)	41.1V	38.2V	41.3V	38.4V	41.5V	38.5V	41.7V	38.7V	41.9V	38.9V
Maximum power current (Imp)	12.91A	10.38A	12.96A	10.42A	13.02A	10.47A	13.07A	10.49A	13.13A	10.56A
Open-circuit voltage (Voc)	49.4V	46.2V	49.6V	46.3V	49.8V	46.5V	50.0V	46.7V	50.2V	46.9V
Short-circuit current (Isc)	13.65A	11.02A	13.71A	11.07A	13.77A	11.12A	13.83A	11.17A	13.89A	11.22A
Module efficiency STC (%)	20.52%		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	530	535	540	545	550
Total power Pmax / W	663	669	675	681	688
Vmp / V (Total)	41.2	41.4	41.6	41.8	42.0
Imp / A(Total)	16.08	16.15	16.23	16.30	16.37
Voc / V (Total)	49.5	49.7	49.9	50.1	50.3
Isc / A(Total)	17.02	16.12	17.17	17.25	17.32

ENGINEERING DRAWING



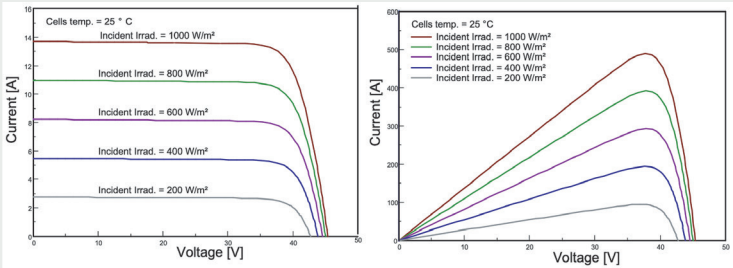
Temperature ratings Material characteristics

NOCT	44 ± 2°C	Number of cell	144 (6 * 24)
Temperature coefficients of Pmax	-0.35% / °C	Dimensions	2278*1134*30 / 35 mm
Temperature coefficients of Voc	-0.29% / °C	Weight	31.5 / -1 kg
Temperature coefficients of Isc	+0.05% / °C	Front glass	2.0mm+2.0mm heat strengthened glass
Refer. Bifacial Factor	70 ± 5%	Frame	Anodized aluminium alloy

Working conditions

Maximum system voltage	1000 / 1500 VDC	Junction box	Ip68 , 3 diodes
Maximum series fuse rating	30A	Cables	12 AWG, length: 350mm or Customized
		Connectors	MC4-Compatible

IV CURVES OF THE PV MODULES



Packaging configuration

40HQ	720 PCS
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ENGINEERING DRAWING

Electrical performance vs Incident Irradiance Current-voltage & power-voltage curves (540W)