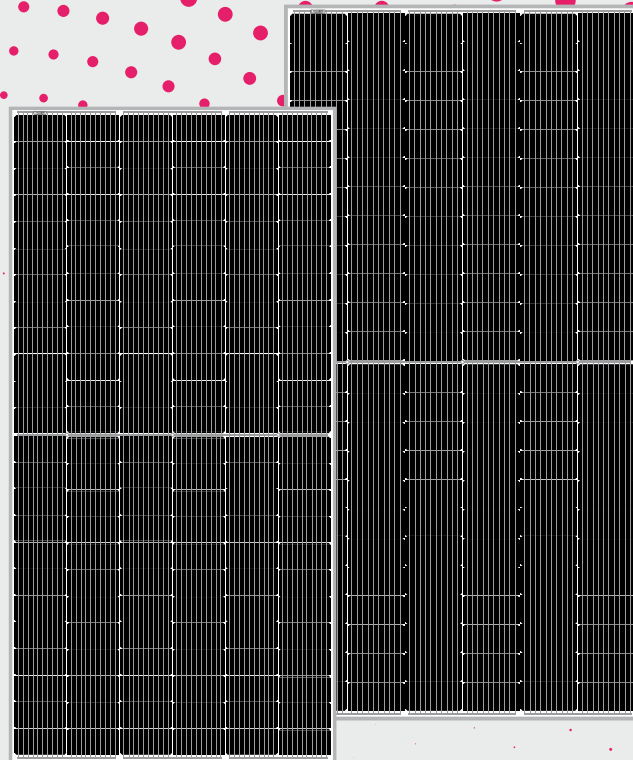




UVCELL 580-72MHB-M10

16BB HALF-CELL N-TYPE TOPCON
BIFACIAL DOUBLE GLASS
MONOCRYSTALLINE PV MODULE



KEY FEATURES



High efficiency perc

A high efficiency 182 (M10) N-Type TOPCon solar cell with 16 busbars technology to ensure the efficiency of the solar module up to 22.45% and stable



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

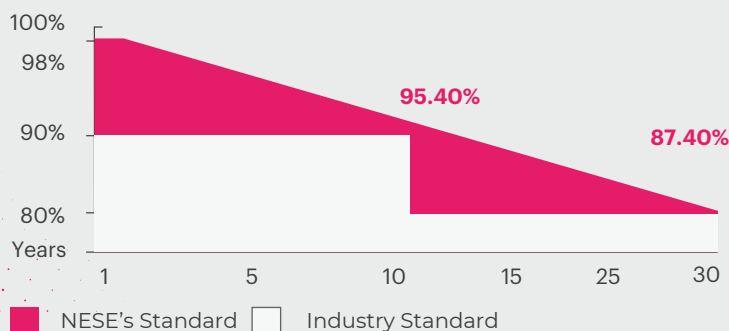


Resistance of extreme environment conditions

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

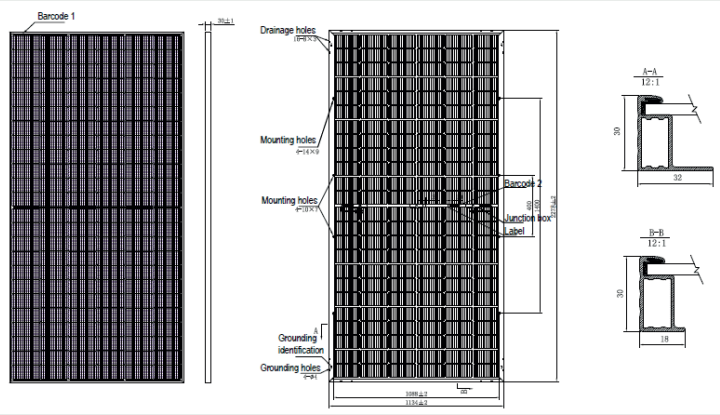
SPECIFICATIONS

Module type	UVCELL560-72MHB-M10		UVCELL565-72MHB-M10		UVCELL570-72MHB-M10		UVCELL575-72MHB-M10		UVCELL580-72MHB-M10	
	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)	STC	(NOCT)
Maximum power (Pmax)	560Wp	423Wp	565Wp	426Wp	570Wp	430Wp	575Wp	434Wp	580Wp	438Wp
Maximum power voltage (Vmp)	42.0V	39.5V	42.2V	39.7V	42.4V	39.9V	42.6V	40.0V	42.8V	40.2V
Maximum power current (Imp)	13.34A	10.70A	13.39A	10.74A	13.45A	10.79A	13.50A	10.83A	13.56A	10.88A
Open-circuit voltage (Voc)	50.7V	47.8V	50.9V	48.0V	51.1V	48.2V	51.3V	48.4V	51.5V	48.6V
Short-circuit current (Isc)	14.11A	11.39A	14.17A	11.44A	14.23A	11.48A	13429A	11.53A	14.35A	11.58A
Module efficiency STC (%)	21.68%		21.87%		22.07%		22.26%		22.45%	
Operating temperature (°C)	-40°C ~ 85°C									

ELECTRICAL CHARACTERISTICS WITH 25% REAR SIDE POWER GAIN

Front power Pmax / W	560	565	570	575	580
Total power Pmax / W	700	706	713	719	725
Vmp / V (Total)	42.1	42.3	42.5	42.7	42.9
Imp / A(Total)	16.63	16.70	16.76	16.83	16.90
Voc / V (Total)	50.8	51.0	51.2	51.4	51.6
Isc / A(Total)	17.59	17.67	17.74	17.82	17.88

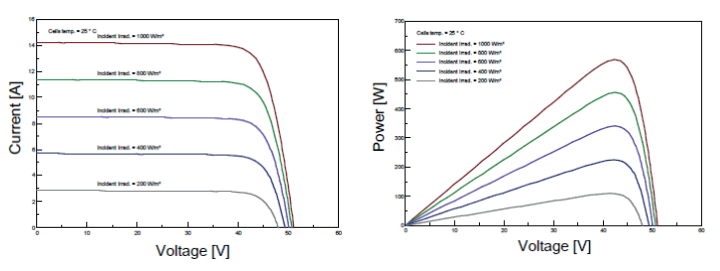
ENGINEERING DRAWING



Temperature ratings Material characteristics

NOCT	44 ± 2°C	Number of cell	144 (6 * 24)
Temperature coefficients of Pmax	-0.30% / °C	Dimensions	2278*1134*30 mm
Temperature coefficients of Voc	-0.25% / °C	Weight	31.5 / -1.0 kg
Temperature coefficients of Isc	+0.046% / °C	Front glass	2.0mm+2.0mm heat strengthened glass
Refer. Bifacial Factor	80 ± 5%	Frame	Anodized aluminium alloy
Working conditions		Junction box	Ip68 , 3 diodes
Maximum system voltage	1000 / 1500 VDC	Cables	12 AWG, length: 350mm or Customized
Maximum series fuse rating	30A	Connectors	MC4-Compatible

IV CURVES OF THE PV MODULES



PACKAGING CONFIGURATION

40HQ	720 PCS
------	---------

ENGINEERING DRAWING

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