

M10 SERIES MONOFACIAL HALF-CUT CELL

560W-580W N-TYPE

144 CELL

M10 MBB MONO

22.5%

MAXIMUM EFFICIENCY

0 to +3%

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost

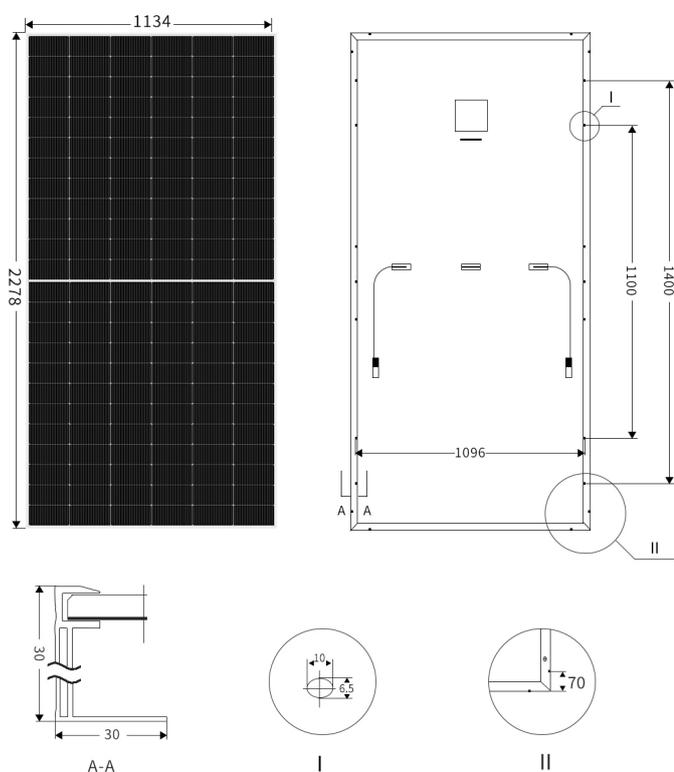


Module No.		KS-72NHC560M10		KS-72NHC565M10		KS-72NHC570M10		KS-72NHC575M10		KS-72NHC580M10	
		STC	NOCT								
Test Environment		STC	NOCT								
Maximum Power	$P_{MAX}(W)$	560	423.8	565	427.6	570	431.4	575	435.2	580	438.9
Maximum Power Voltage	$V_{MPP}(V)$	44.23	42.32	44.43	42.60	44.63	42.87	44.83	43.15	45.04	43.34
Maximum Power Current	$I_{MPP}(A)$	12.66	10.01	12.72	10.03	12.77	10.06	12.83	10.08	12.88	10.12
Open Circuit Voltage	$V_{OC}(V)$	52.00	49.35	52.20	49.57	52.40	49.80	52.60	50.03	52.80	50.22
Short Circuit Current	$I_{SC}(A)$	13.34	10.51	13.38	10.54	13.42	10.56	13.46	10.59	13.50	10.63
Tolerance	(%)	0 - +3		0 - +3		0 - +3		0 - +3		0 - +3	
Module Efficiency	(%)	21.7		21.9		22.1		22.3		22.5	

STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1

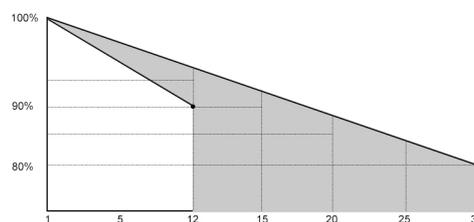
NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty 30 Year Linear Power Warranty



TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of P_{MAX}	-0.30%/°C
Temperature Coefficient of V_{OC}	-0.25%/°C
Temperature Coefficient of I_{SC}	+0.046%/°C

MAXIMUM RATING

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A
Mechanical Load	5400pa
Wind Load	2400pa

MECHANICAL DATA

Solar Cells	MBB Mono N-Type 182 x 91mm
Cell Orientation	144 Cells (6 x 24)
Module Dimensions	2278 x 1134 x 30mm
Weight	27.8kg
Glass	3.2mm
Backsheet	White
Frame	Anodized Aluminium Alloy
J-Box	IP 68 Rated
Cables	Photovoltaic Technology Cable 4.0mm ² , 350mm (Customized Available)
Connector	MC4 Compatible

PACKAGING CONFIGURATION

Modules per Pallet: 36 Pieces

Modules per 40'HQ Container: 720 Pieces