

M10 SERIES BIFACIAL HALF-CUT CELL MONO **400W-420W**

108 CELL

MBB MONO PERC

21.51%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost

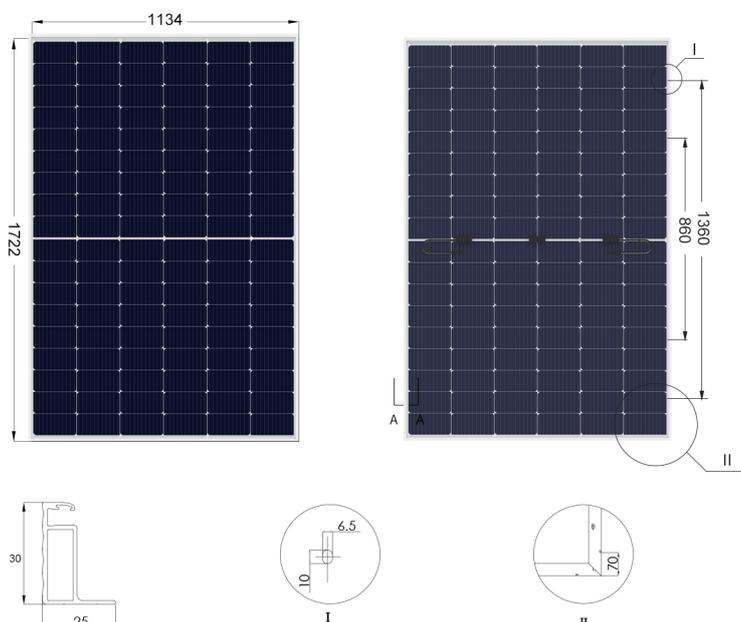


Module No.		KS-54MHB400M10		KS-54MHB405M10		KS-54MHB410M10		KS-54MHB415M10		KS-54MHB420M10	
		STC	NOCT								
Test Environment		STC	NOCT								
Maximum Power	$P_{MAX}(W)$	400	298	405	301	410	305	415	309	420	312
Maximum Power Voltage	$V_{MPP}(V)$	30.42	28.42	30.52	28.56	30.62	28.72	30.79	28.88	30.91	29.01
Maximum Power Current	$I_{MPP}(A)$	13.15	10.47	13.27	10.55	13.39	10.62	13.48	10.69	13.59	10.76
Open Circuit Voltage	$V_{OC}(V)$	36.98	34.90	37.06	34.98	37.14	35.05	37.31	35.21	37.43	35.39
Short Circuit Current	$I_{SC}(A)$	13.78	11.13	13.85	11.19	13.92	11.24	14.01	11.32	14.12	11.38
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	20.48		20.74		21.0		21.25		21.51	

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

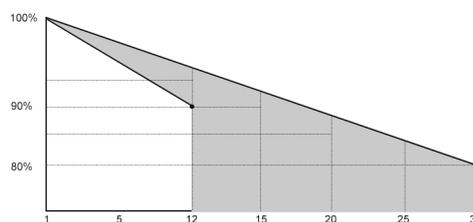
NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

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}	-0.35%/°C
Temperature Coefficient of V_{OC}	-0.28%/°C
Temperature Coefficient of I_{SC}	+0.048%/°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 PERC 182x91mm	
Cell Orientation	108 Cells (6 x 18)	
Module Dimensions	1722x1134x30mm	
Weight	20kg	
Glass	3.2mm Low-Iron Tempered Suede Glass	
Backsheet	Transparent	
Frame	Silver Anodized Aluminium Alloy(Black Available)	
J-Box	IP 68 Rated	
Cables	Photovoltaic Technology Cable 4.0mm ² , 350mm	
Connector	MC4 Compatible	
PACKAGING CONFIGURATION	Modules per Pallet: 36 Pieces	Modules per 40'HQ Container: 936 Pieces