

M10 HALF CELL MONO **545W-560W**

144 CELL

M10 MBB MONO PERC

21.7%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



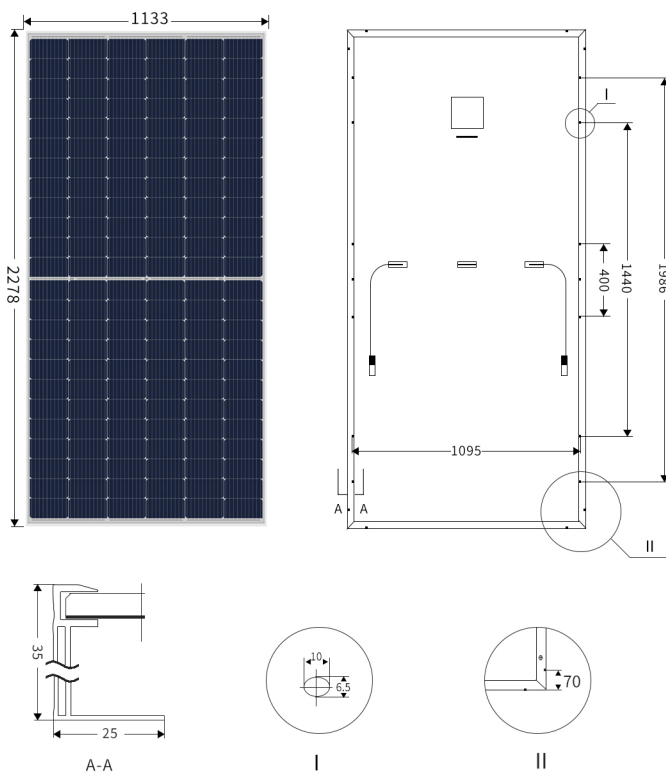
Reduce Equipment & Material Cost



Module Type		PW-72M545HM10		PW-72M550HM10		PW-72M555HM10		PW-72M560HM10	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	545	405.61	550	409.33	555	413.05	560	416.77
Maximum Power Voltage	$V_{MPP}(V)$	40.86	38.02	40.99	38.14	41.12	38.26	41.25	38.38
Maximum Power Current	$I_{MPP}(A)$	13.34	10.67	13.42	10.73	13.5	10.79	13.58	10.85
Open Circuit Voltage	$V_{OC}(V)$	49.5	46.73	49.65	46.87	49.8	47.01	49.95	47.15
Short Circuit Current	$I_{SC}(A)$	14.04	11.34	14.13	11.41	14.22	11.48	14.31	11.55
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.1		21.3		21.5		21.7	

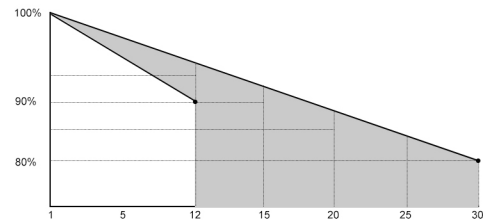
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

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}	-0.348%/°C
Temperature Coefficient of V_{OC}	-0.282%/°C
Temperature Coefficient of I_{SC}	+0.05%/°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 182 x 91mm
Cell Orientation	144 Cells (6 x 24)
Module Dimensions	2278 x 1133 x 35mm
Weight	28kg
Glass	High Transparency, Anti-Reflective, AR Coated and Heat Tempered Solar Glass -3.2mm
Backsheet	White
Frame	Silver Anodized Aluminium Alloy (Black Available)
J-Box	IP 68 Rated
Cables	Photovoltaic Technology Cable 4.0mm ² , 350mm
Connector	EVO2 or EVO2 Compatible
PACKAGING CONFIGURATION	Modules per Box: 31 Pieces Modules per 40' Container: 620 Pieces

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