



PSC SOLAR (UK)

Africa's Solar Electricity Power

M10 HALF CELL MONO
565W-585W N-TYPE

144 CELL

M10 MBB MONO

22.6%

MAXIMUM EFFICIENCY

0 to +3W

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



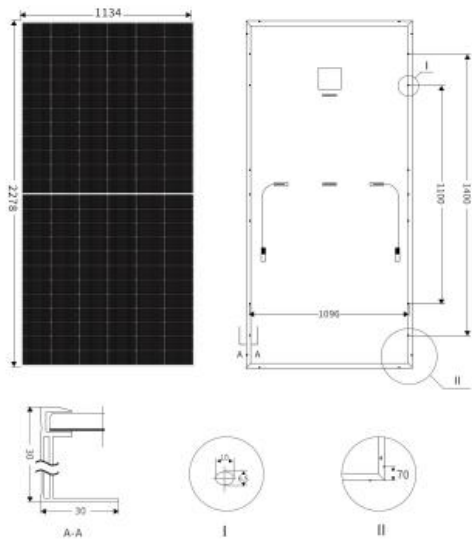
Reduce Equipment & Material Cost



Module Type		PW-72M10NH565		PW-72M10NH570		PW-72M10NH575		PW-72M10NH580		PW-72M10NH585	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment											
Maximum Power	$P_{max}(W)$	585	427.6	570	431.4	575	435.2	580	438.9	585	442.6
Maximum Power Voltage	$V_{mp}(V)$	44.43	42.6	44.63	42.87	44.83	43.15	45.04	43.34	45.25	43.53
Maximum Power Current	$I_{mp}(A)$	12.72	10.03	12.77	10.08	12.83	10.08	12.88	10.12	12.93	10.16
Open Circuit Voltage	$V_{oc}(V)$	52.2	49.57	52.4	49.8	52.6	50.03	52.8	50.22	53	50.41
Short Circuit Current	$I_{sc}(A)$	13.38	10.54	13.42	10.56	13.46	10.59	13.5	10.63	13.54	10.67
Tolerance	(W)	0 - +3		0 - +3		0 - +3		0 - +3		0 - +3	
Module Efficiency	(%)	21.9		21.1		22.3		22.5		22.6	

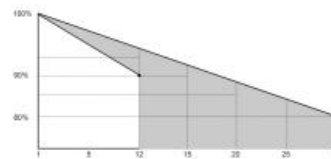
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

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 Aluminum 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