

M10 MONO MODULE **N** TYPE

580W-600W

Premium Quality *Bifacial Dual Glass*

144 CELL

M10 MONO N-TYPE

23.23%

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		WE-72M580HM10-BD		WE-72M585HM10-BD		WE-72M590HM10-BD		WE-72M595HM10-BD		WE-72M600HM10-BD	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	580	438.9	585	442.6	590	446.3	595	450	600	453.7
Maximum Power Voltage	$V_{MPP}(V)$	45.04	43.34	45.25	43.53	45.46	43.72	45.67	43.91	45.88	44.1
Maximum Power Current	$I_{MPP}(A)$	12.88	10.12	12.93	10.16	12.98	10.2	13.03	10.24	13.08	10.28
Open Circuit Voltage	$V_{OC}(V)$	52.8	50.22	53	50.41	53.2	50.6	53.4	50.79	53.6	50.98
Short Circuit Current	$I_{SC}(A)$	13.5	10.63	13.54	10.67	13.58	10.71	13.62	10.75	13.66	10.79
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	22.45		22.65		22.84		23.03		23.23	

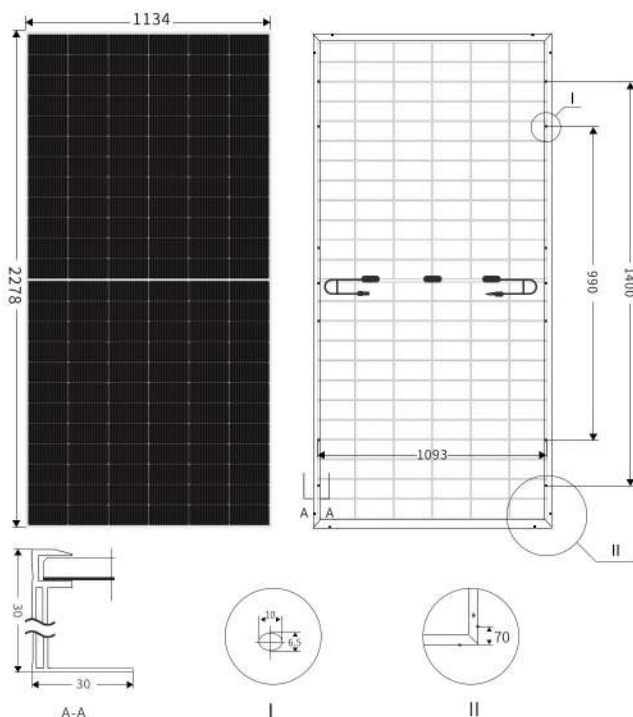
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1

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

BIFACIAL OUTPUT-REAR SIDE POWER GAIN 10% FOR REFERENCE

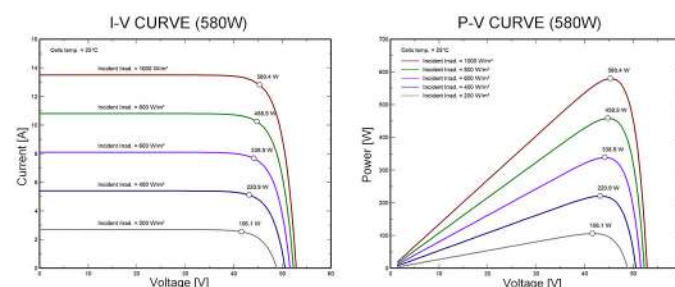
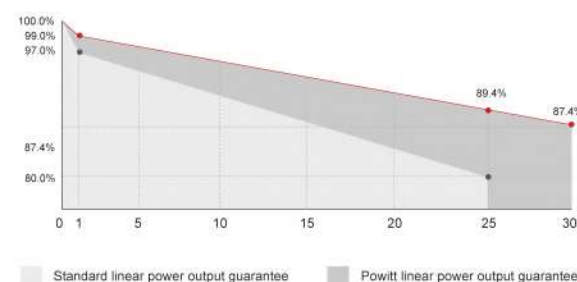
Module Type	WE-72M580HM10-BD	WE-72M585HM10-BD	WE-72M590HM10-BD	WE-72M595HM10-BD	WE-72M600HM10-BD
Pmax (W)	638	643.5	649	654.5	660
Voc (V)	52.8	53	53.2	53.4	53.6
Isc (A)	14.9	15.02	15.08	15.14	15.20
Vmp (V)	45.04	45.25	45.46	45.67	45.88
Imp (A)	14.17	14.22	14.28	14.33	14.39

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



MECHANICAL DATA		TEMPERATURE RATINGS	
Cell Type	Mono N-TYPE	Nominal Operating Cell Temperature(NOCT)	45±2°C
No. of Cells	144 (6 x 24)	Temperature Coefficient of P_{MAX}	-0.30%/°C
Module Dimensions	2278 x 1134 x 30mm	Temperature Coefficient of V_{OC}	-0.25%/°C
Weight	31kg	Temperature Coefficient of I_{SC}	+0.046%/°C
Front Glass	2.0mm	MAXIMUM RATINGS	
Back Glass	2.0mm	Operational Temperature	-40°C to +85°C
Frame	Anodized Aluminium Alloy	Maximum System Voltage	1500V DC
Junction Box	IP 68 Rated	Max Series Fuse Rating	30A
Cables	4.0mm ² , 300mm or Customized Length	Mechanical Load	5400pa
Connector	MC4 Compatible	Wind Load	2400pa
PACKAGING CONFIGURATION	37 pcs/Pallet, 740 pcs/40'HQ		



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