

M10 MONO MODULE **N** TYPE

565W-585W

Premium Quality *Bifacial Transparent Backsheet*

144 CELL

M10 MONO N-TYPE

22.65%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



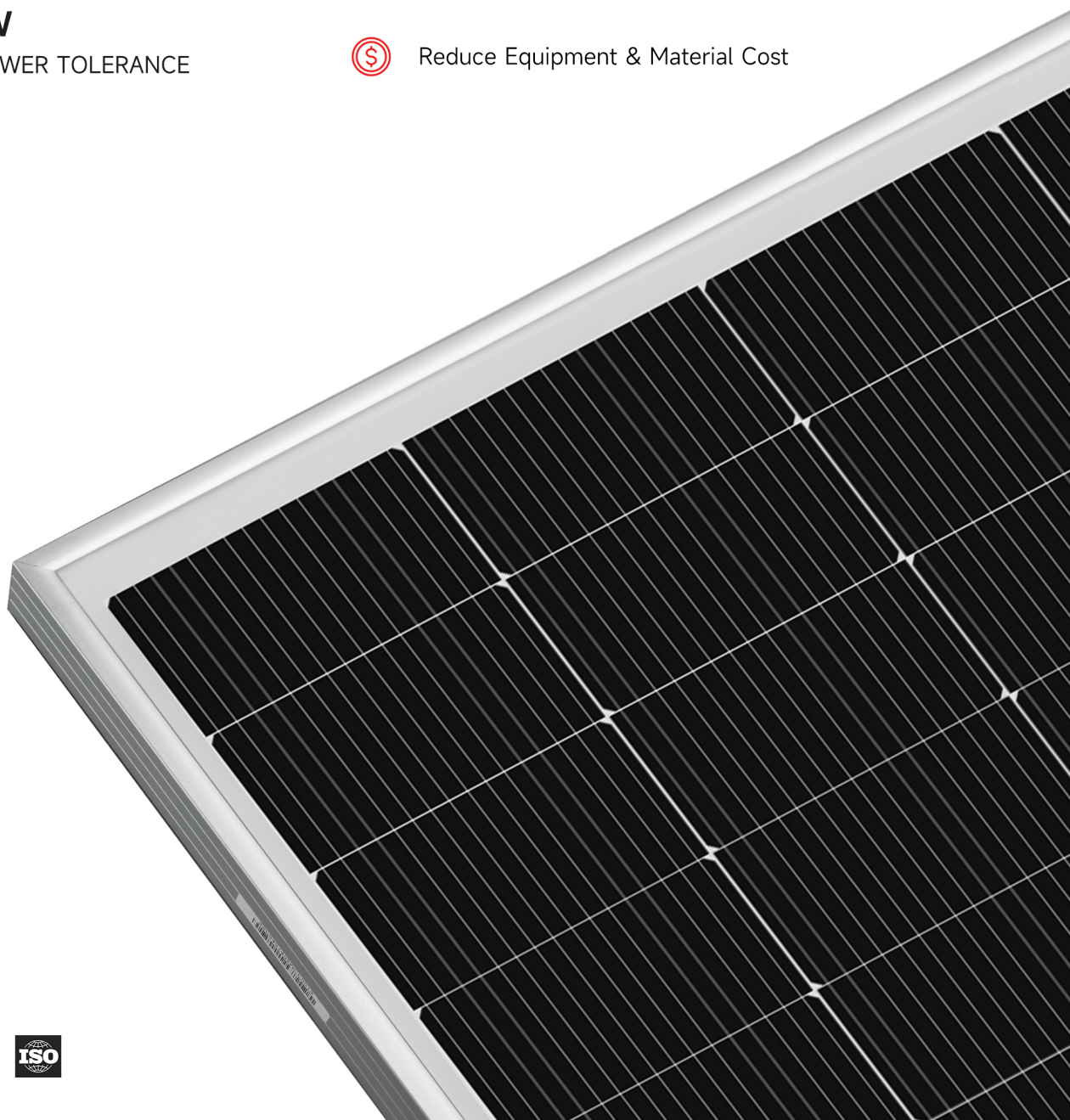
For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



Module Type		PW-72M565HM10		PW-72M570HM10		PW-72M575HM10		PW-72M580HM10		PW-72M585HM10	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	565	427.6	570	431.4	575	435.2	580	438.9	585	442.6
Maximum Power Voltage	$V_{MPP}(V)$	44.43	42.6	44.63	42.87	44.83	43.15	45.04	43.34	45.25	43.53
Maximum Power Current	$I_{MPP}(A)$	12.72	10.03	12.77	10.06	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 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.87		22.07		22.26		22.45		22.65	

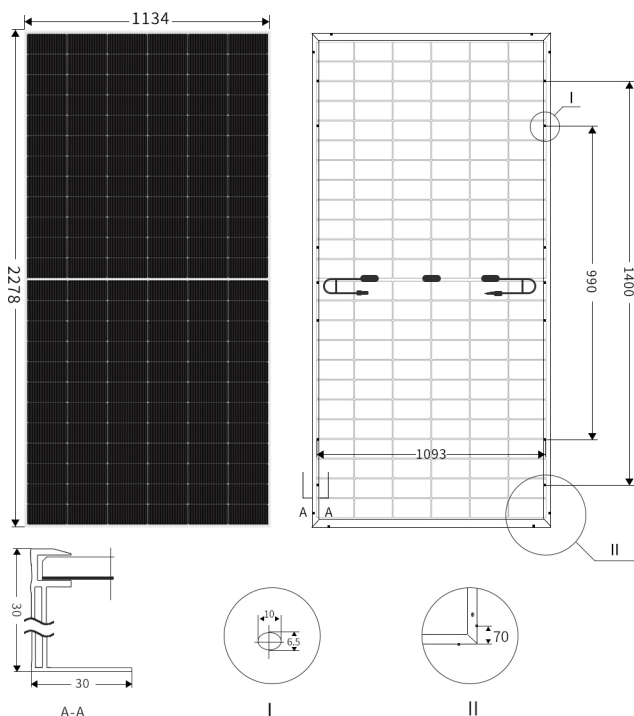
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1

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

BIFACIAL OUTPUT-REAR SIDE POWER GAIN 10% FOR REFERENCE

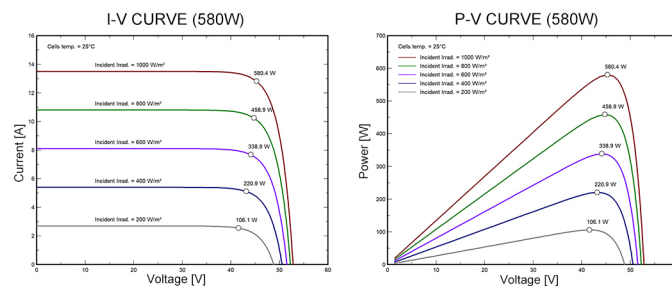
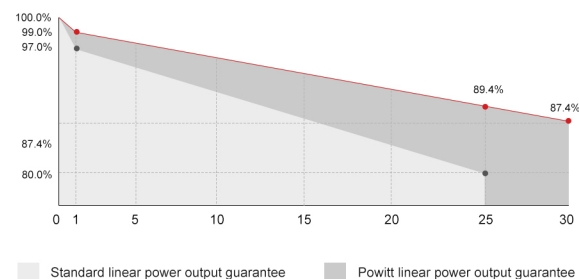
Module Type	PW-72M565HM10	PW-72M570HM10	PW-72M575HM10	PW-72M580HM10	PW-72M585HM10
Pmax (W)	621.5	627	632.5	638	643.5
Voc (V)	52.2	52.4	52.6	52.8	53
Isc (A)	14.78	14.84	14.9	14.9	15.02
Vmp (V)	44.43	44.63	44.83	45.04	45.25
Imp (A)	13.99	14.05	14.11	14.17	14.22

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	27kg	Temperature Coefficient of I_{SC}	+0.046%/°C
Glass	Anti-Reflective, AR Coated and Heat Tempered Solar Glass-3.2mm	MAXIMUM RATINGS	
Backsheet	Transparent	Operational Temperature	-40 to +85°C
Frame	Anodized Aluminium Alloy	Maximum System Voltage	1500V DC
Junction Box	IP 68 Rated	Max Series Fuse Rating	25A
Cables	4.0mm ² , 350mm or Customized Length	Mechanical Load	5400pa
Connector	MC4 Compatible	Wind Load	2400pa
PACKAGING CONFIGURATION	36 pcs/Pallet, 720 pcs/40'HQ		

All rights reserved. Specifications included in this datasheet are subject to change without notice.

Version No. PWS202311V03



Powitt Solar Co., Ltd
www.powitt.com
info@powitt.com
+86 519 8899 2132

FUTURE POWER AT TODAY