

M10 P-TYPE MODULE

545W-560W

Premium Quality *Monofacial*

144 CELL

M10 MONO PERC

21.68%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



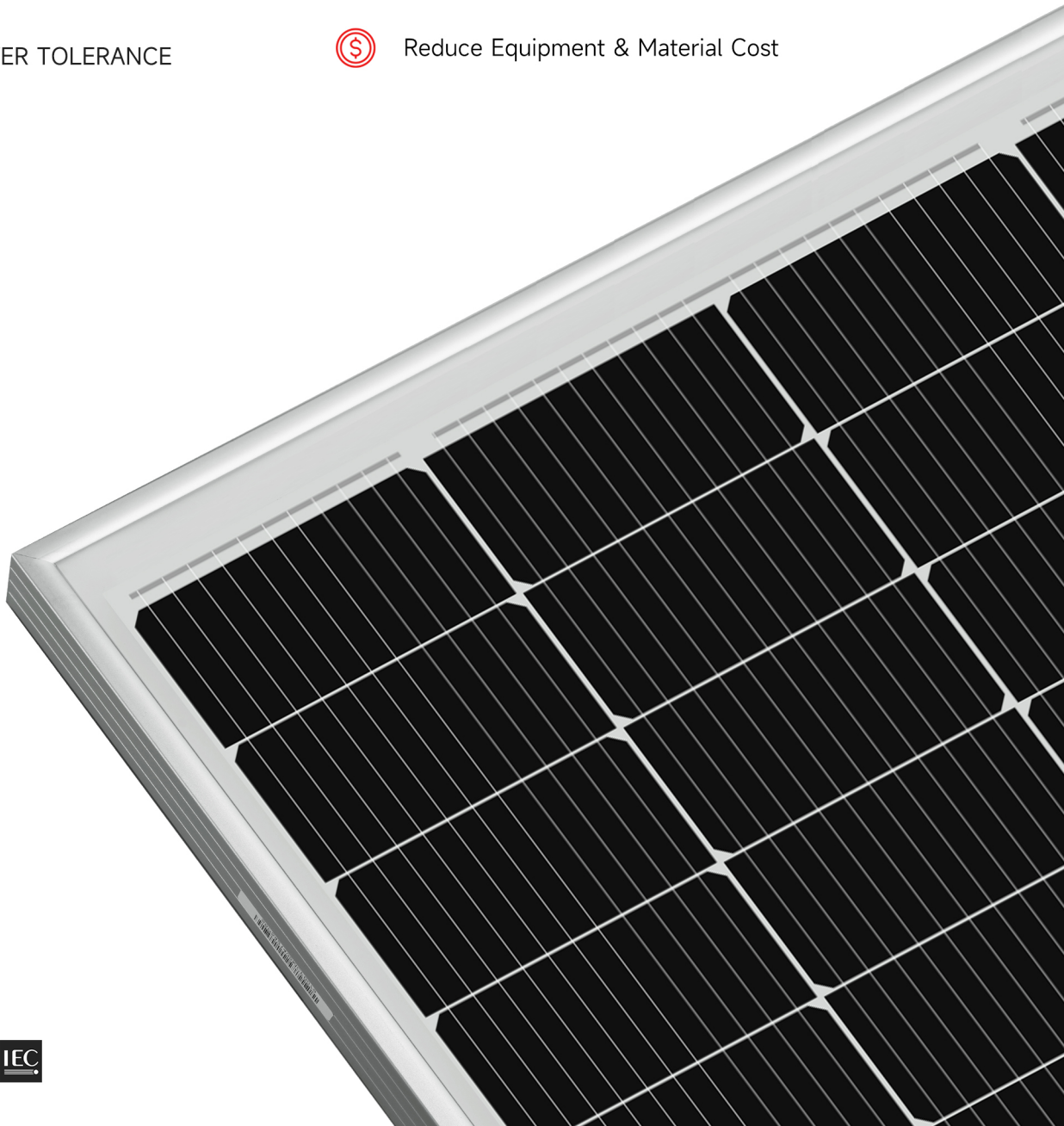
For Environment For Future



Optimize the Temperature Coefficient



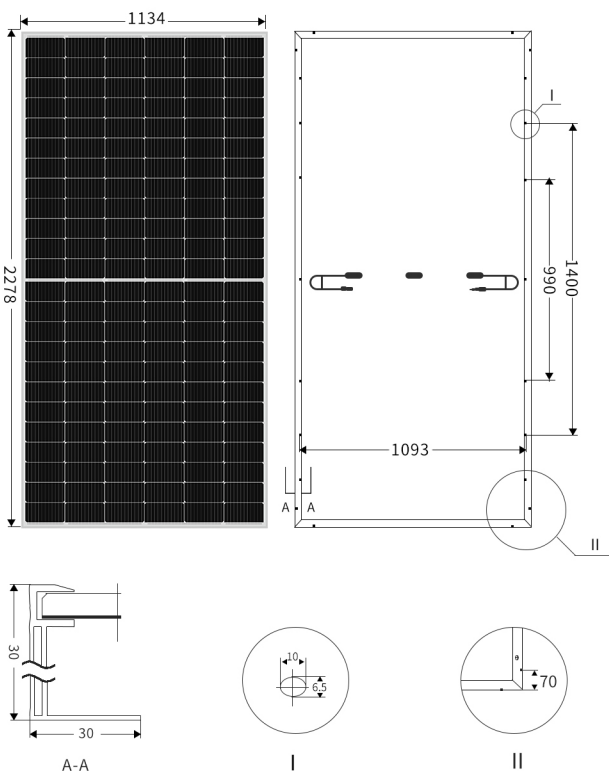
Reduce Equipment & Material Cost



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	413.03	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	(%)	21.10		21.29		21.48		21.68	

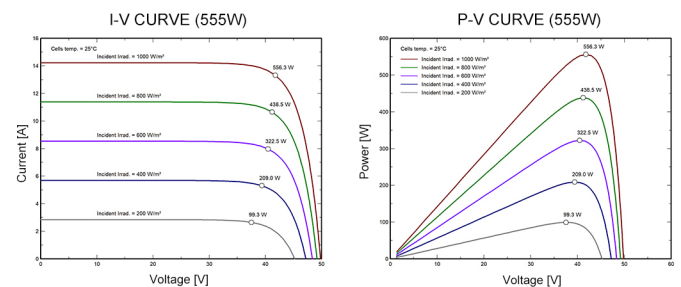
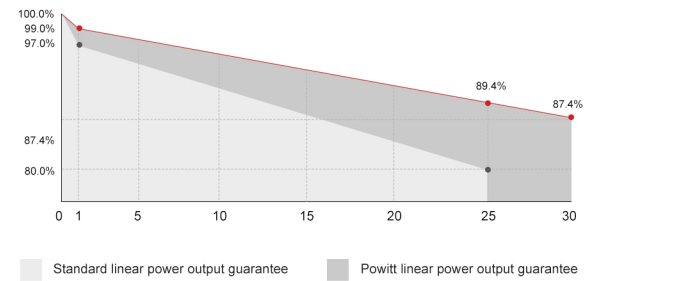
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



MECHANICAL DATA

Cell Type	Mono PERC	TEMPERATURE RATINGS	
No. of Cells	144 (6 x 24)	Nominal Operating Cell Temperature(NOCT)	45±2°C
Module Dimensions	2278 x 1134 x 30mm	Temperature Coefficient of P_{MAX}	-0.35%/°C
Weight	27kg	Temperature Coefficient of V_{OC}	-0.28%/°C
Glass	Anti-Reflective, AR Coated and Heat Tempered Solar Glass-3.2mm	Temperature Coefficient of I_{SC}	+0.048%/°C
Backsheet	White	MAXIMUM RATINGS	
Frame	Anodized Aluminium Alloy	Operational Temperature	-40 to +85°C
Junction Box	IP 68 Rated	Maximum System Voltage	1500V DC
Cables	4.0mm ² , 350mm or Customized Length	Max Series Fuse Rating	25A
Connector	MC4 Compatible	Mechanical Load	5400pa
		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