

M10 HALF CELL MONO **560W-580W** N-TYPE

144 CELL

M10 MBB MONO

22.5%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



For Environment For Future



Optimize the Temperature Coefficient



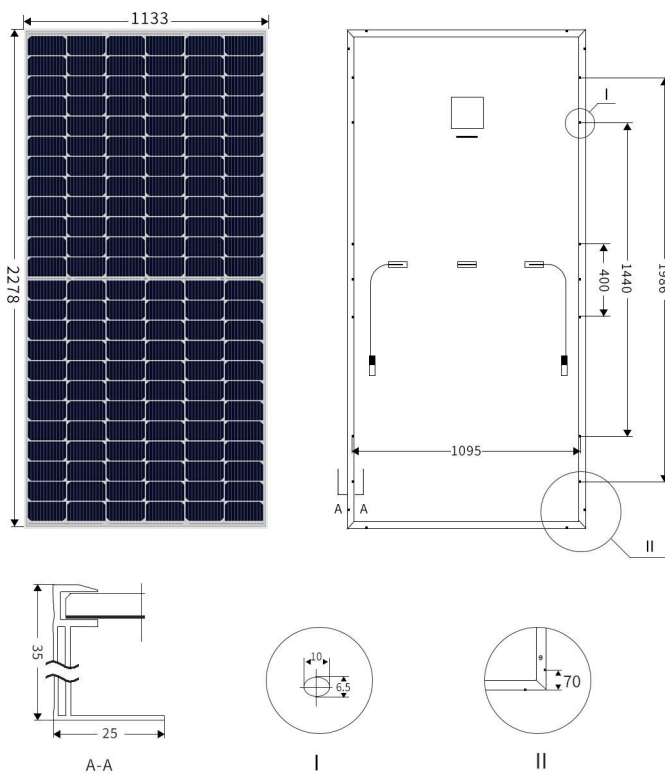
Reduce Equipment & Material Cost



Module Type		PW-72M560HM10		PW-72M565HM10		PW-72M570HM10		PW-72M575HM10		PW-72M580HM10	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	560	421	565	425	570	429	575	432	580	435
Maximum Power Voltage	$V_{MPP}(V)$	41.77	39.25	41.92	39.38	42.07	39.51	42.22	39.6	42.37	39.69
Maximum Power Current	$I_{MPP}(A)$	13.41	10.73	13.48	10.79	13.55	10.85	13.62	10.92	13.69	10.99
Open Circuit Voltage	$V_{OC}(V)$	50.47	47.94	50.6	48.06	50.74	48.2	50.88	48.33	51.02	48.46
Short Circuit Current	$I_{SC}(A)$	14.15	11.42	14.23	11.49	14.31	11.55	14.39	11.62	14.47	11.69
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.7		21.9		22.1		22.3		22.5	

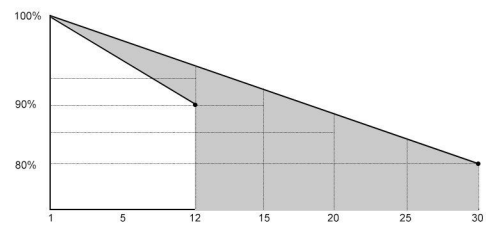
STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m² according to EN 60904-1
 NOCT: Irradiance at 800 W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

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 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

© Powitt Solar Co., Ltd All rights reserved. Specifications included in this datasheet are subject to change without notice.