

G12 P-TYPE MODULE

# 650W-670W

Premium Quality *Monofacial*

**132 CELL**

M10 MONO PERC

**21.57%**

MAXIMUM EFFICIENCY

**0 to +5W**

POSITIVE POWER TOLERANCE



Higher Output of Power



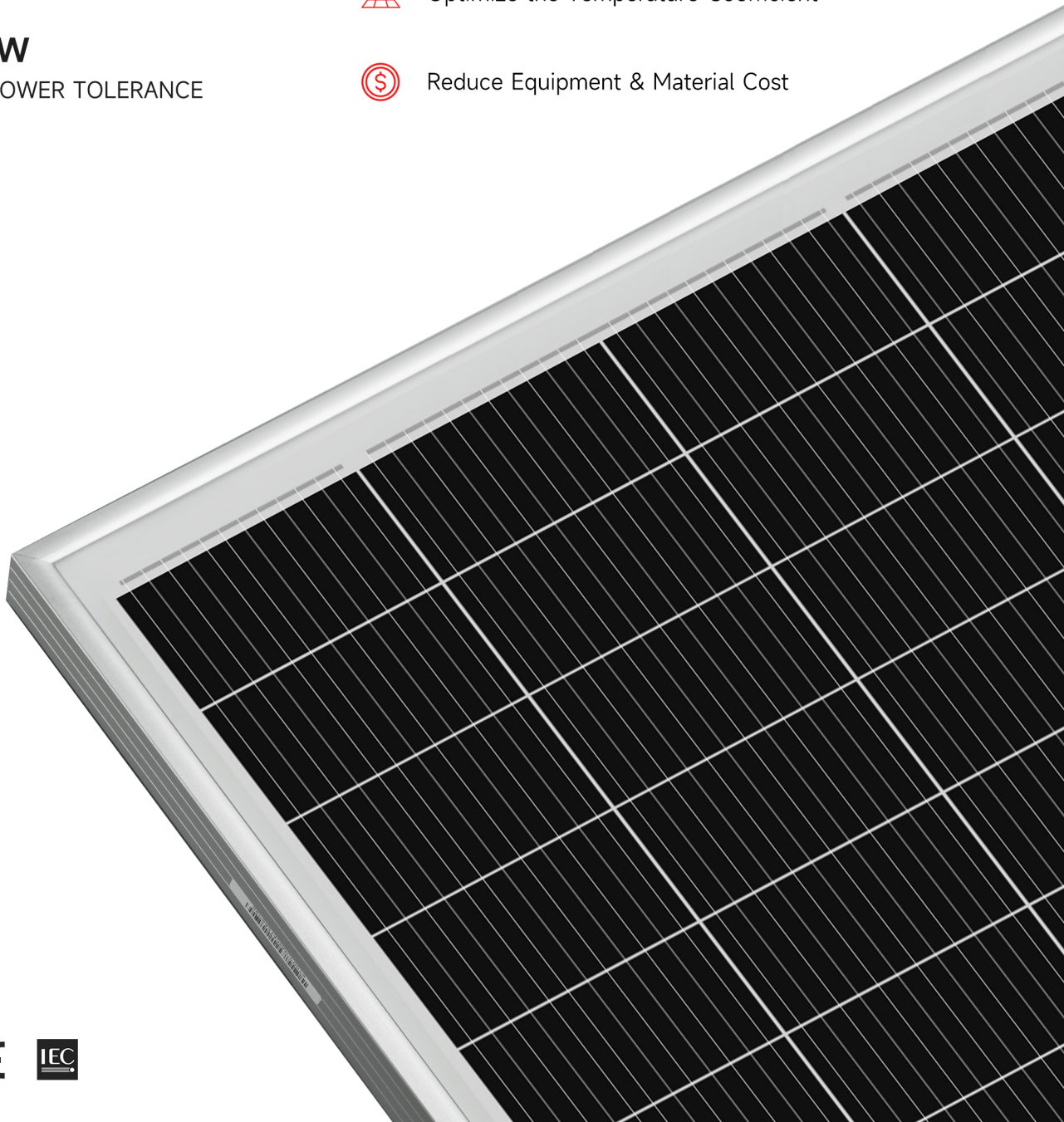
For Environment For Future



Optimize the Temperature Coefficient



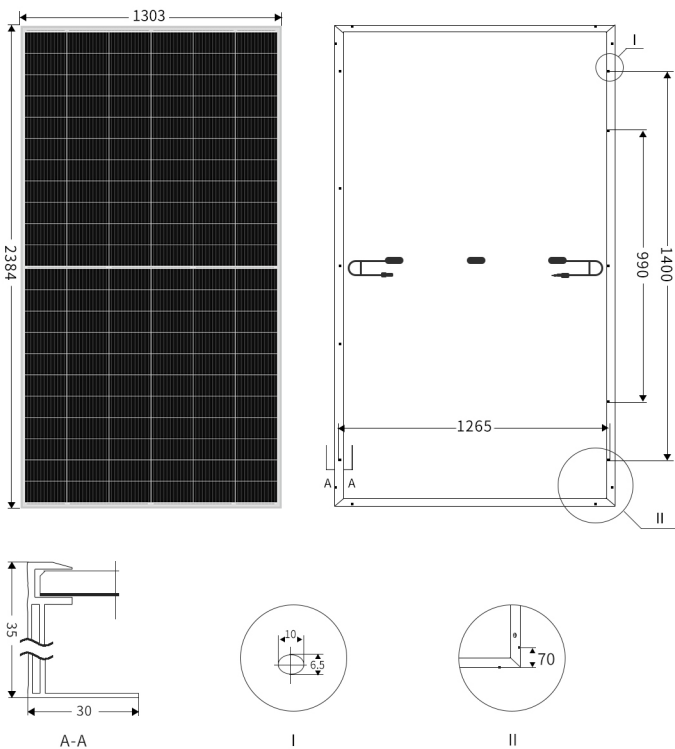
Reduce Equipment & Material Cost



Module Type		PW-66M650HG12		PW-66M655HG12		PW-66M660HG12		PW-66M665HG12		PW-66M670HG12	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	650	492.07	655	495.85	660	499.64	665	503.42	670	507.21
Maximum Power Voltage	$V_{MPP}(V)$	36.79	34.24	37.00	34.43	37.21	34.63	37.42	34.82	37.63	35.02
Maximum Power Current	$I_{MPP}(A)$	17.67	14.37	17.71	14.40	17.74	14.42	17.78	14.46	17.81	14.48
Open Circuit Voltage	$V_{OC}(V)$	44.34	41.79	44.59	42.03	44.85	42.26	45.10	42.50	45.35	42.74
Short Circuit Current	$I_{SC}(A)$	18.76	15.11	18.80	15.15	18.84	15.17	18.88	15.21	18.91	15.23
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	20.93		21.09		21.25		21.41		21.57	

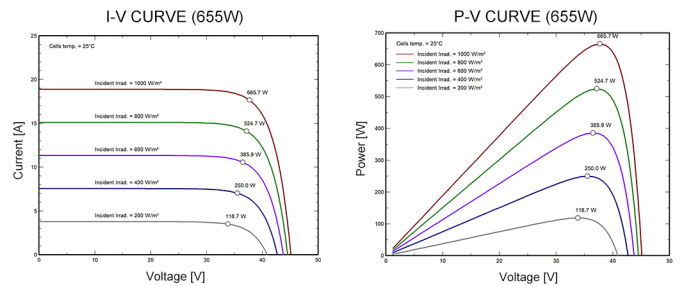
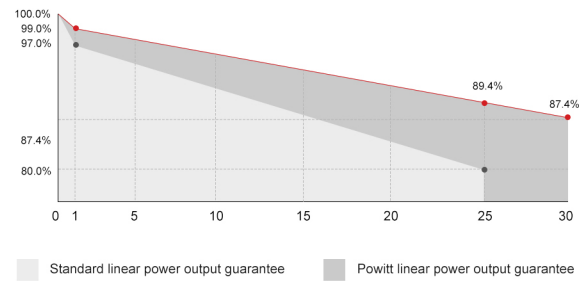
STC: Irradiance 1000 W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5 according to EN 60904-3. Average efficiency reduction of 4.5% at 200W/m<sup>2</sup> according to EN 60904-1  
 NOCT: Irradiance at 800 W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

## DIMENSIONS OF PV MODULE



## LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



## MECHANICAL DATA

Cell Type	Mono PERC
No. of Cells	132 (6 x 22)
Module Dimensions	2384 x 1303 x 35mm
Weight	33.5kg
Glass	Anti-Reflective, AR Coated and Heat Tempered Solar Glass-3.2mm
Backsheet	White
Frame	Anodized Aluminium Alloy
Junction Box	IP 68 Rated
Cables	4.0mm <sup>2</sup> , 350mm or Customized Length
Connector	MC4 Compatible

## TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of $P_{MAX}$	-0.35%/°C
Temperature Coefficient of $V_{OC}$	-0.28%/°C
Temperature Coefficient of $I_{SC}$	+0.048%/°C

## MAXIMUM RATINGS

Operational Temperature	-40 to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	30A
Mechanical Load	5400pa
Wind Load	2400pa

**PACKAGING CONFIGURATION** 31 pcs/Pallet, 558 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