

G12 P-TYPE MODULE

650W-670W

Premium Quality *Bifacial Transparent Backsheet*

132 CELL

M10 MONO PERC

21.57%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



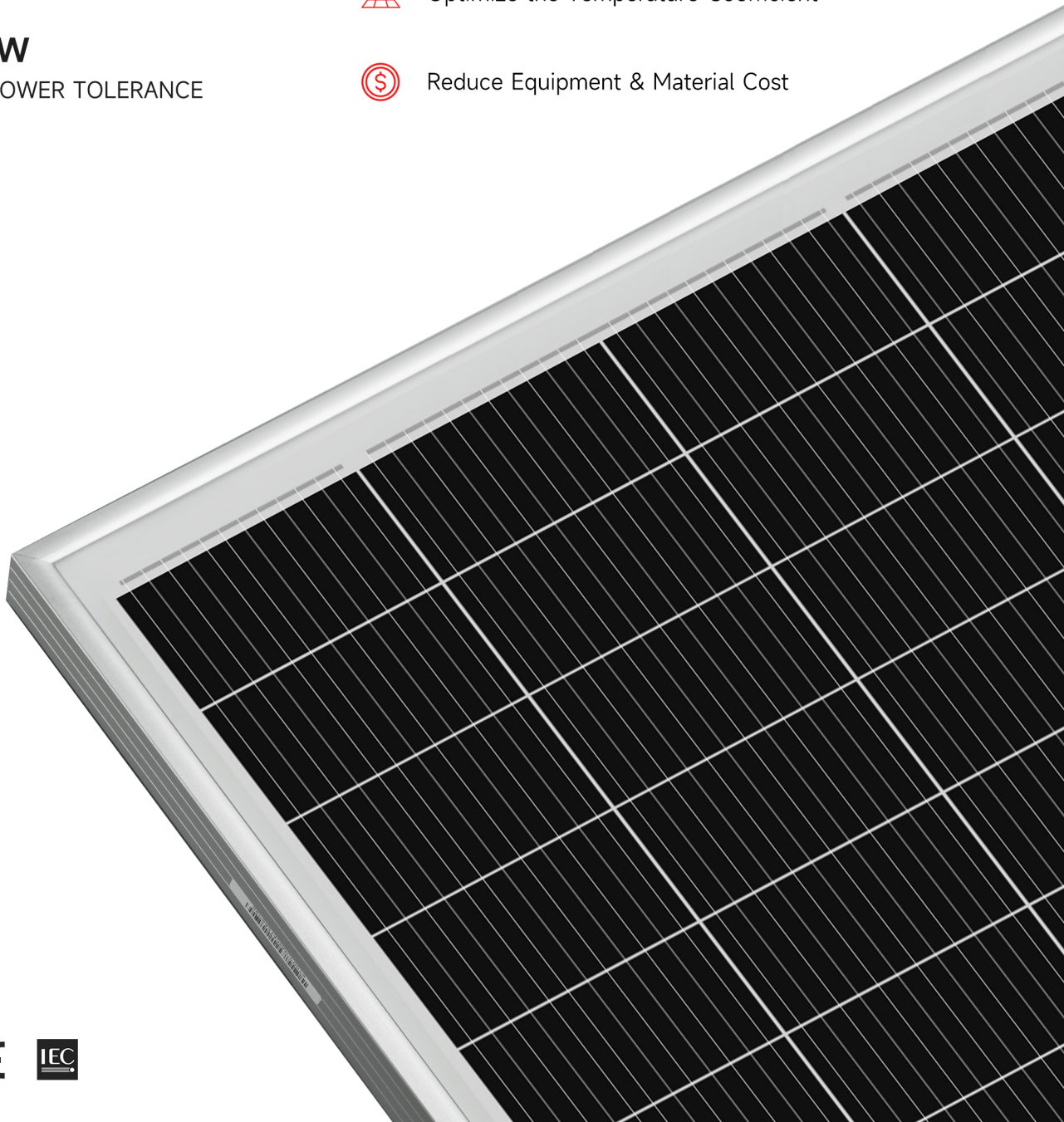
For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



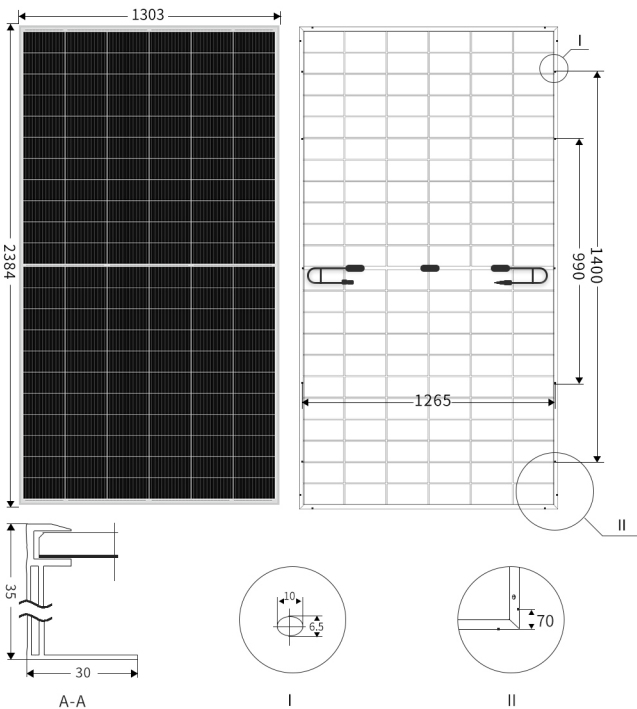
Module Type		PW-66M650HG12		PW-66M655HG12		PW-66M660HG12		PW-66M665HG12		PW-66M670HG12	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	650	492.07	655	495.85	660	499.64	665	503.42	670	507.21
Maximum Power Voltage	$V_{MPP}(V)$	36.79	34.24	37.00	34.43	37.21	34.63	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/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

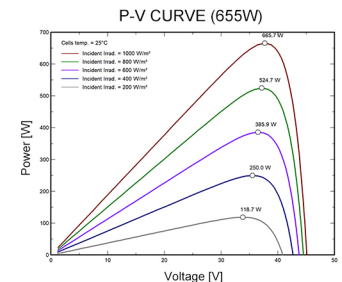
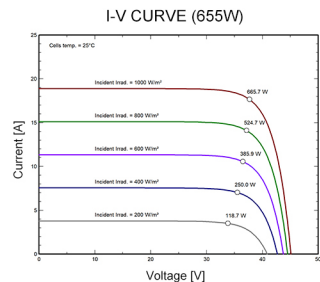
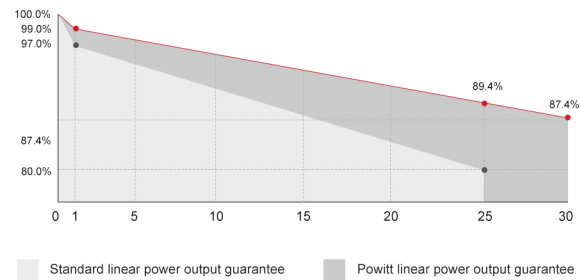
Module Type	PW-66M650HG12	PW-66M655HG12	PW-66M660HG12	PW-66M665HG12	PW-66M670HG12
Pmax (W)	715	720.5	726	731.5	737
Voc (V)	44.34	44.59	44.85	45.10	45.35
Isc (A)	20.53	20.57	20.61	20.65	20.69
Vmp (V)	36.79	37.00	37.21	37.42	37.63
Imp (A)	19.43	19.47	19.51	19.55	19.59

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	Transparent
Frame	Anodized Aluminium Alloy
Junction Box	IP 68 Rated
Cables	4.0mm ² , 350mm or Customized Length
Connector	MC4 Compatible

TEMPERATURE RATINGS

Nominal Operating Cell Temperature(NOCT)	43±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