

G12 MONO MODULE **N** TYPE

675W-700W

Premium Quality *Bifacial Dual Glass*

132 CELL

M10 MONO N-TYPE

22.53%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



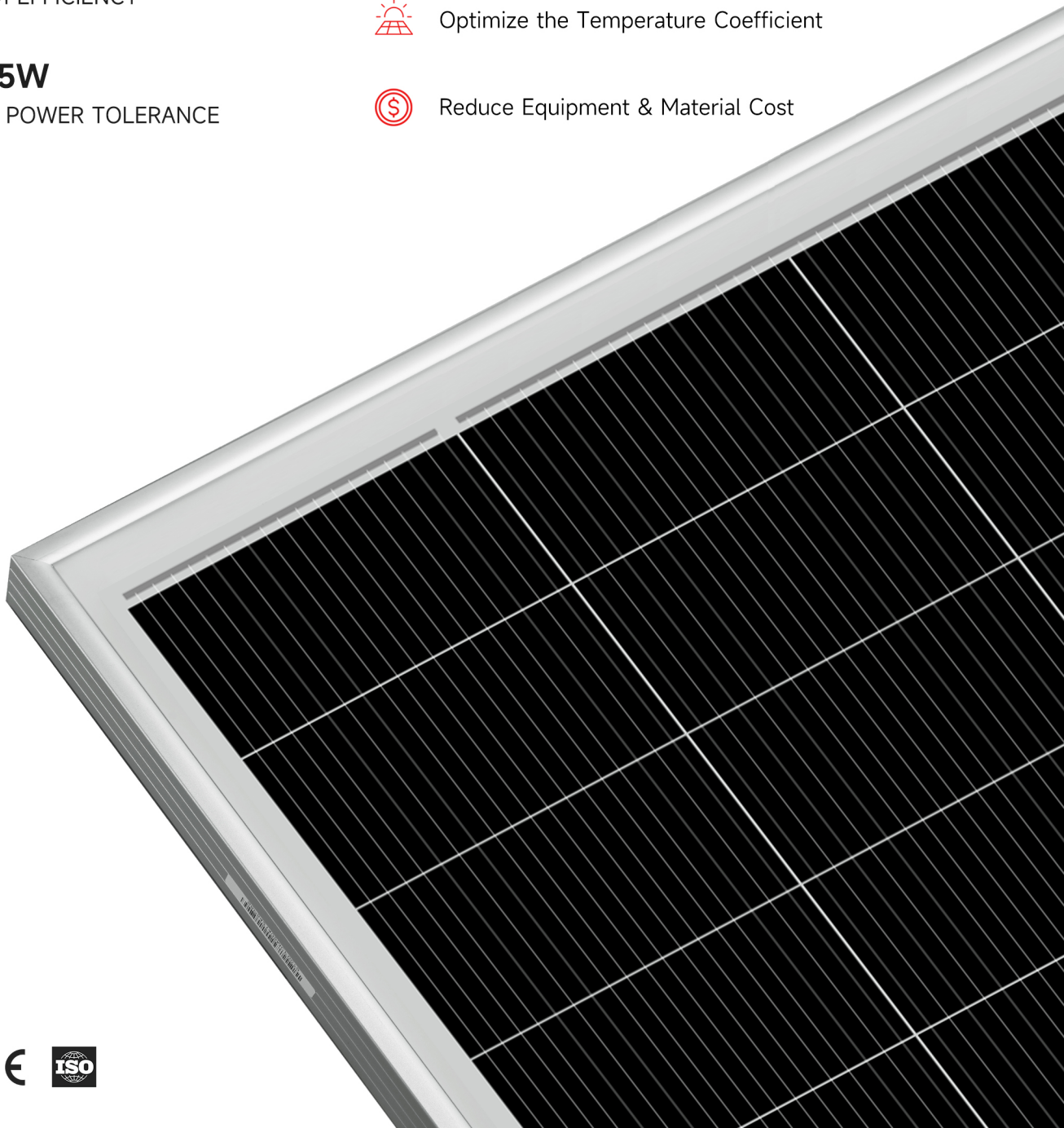
For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



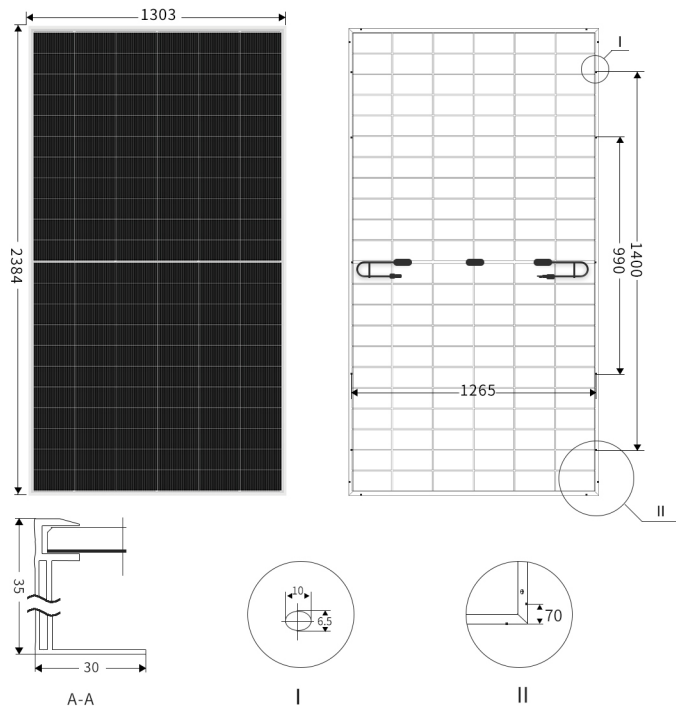
Module Type		PW-66M675HG12-BD		PW-66M680HG12-BD		PW-66M685HG12-BD		PW-66M690HG12-BD		PW-66M695HG12-BD		PW-66M700HG12-BD	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	P _{MAX} (W)	675	515.6	680	519.3	685	523.0	690	527.2	695	530.9	700	534.5
Maximum Power Voltage	V _{MPP} (V)	41.41	38.71	41.48	38.78	41.56	38.85	41.63	38.93	41.71	39.00	41.78	39.07
Maximum Power Current	I _{MPP} (A)	16.32	13.32	16.41	13.39	16.50	13.46	16.60	13.54	16.68	13.61	16.77	13.68
Open Circuit Voltage	V _{OC} (V)	49.38	46.27	49.47	46.35	49.56	46.44	49.65	46.52	49.74	46.61	49.83	46.69
Short Circuit Current	I _{SC} (A)	17.40	14.27	17.48	14.34	17.56	14.40	17.66	14.48	17.74	14.55	17.82	14.61
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.73		21.89		22.05		22.21		22.37		22.53	

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

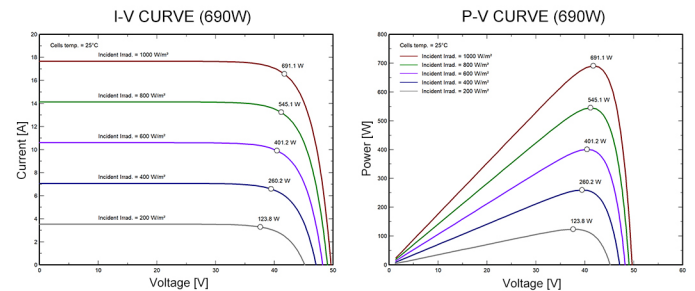
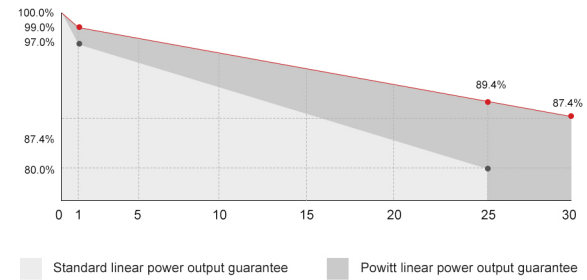
Module Type	PW-66M675HG12-BD	PW-66M680HG12-BD	PW-66M685HG12-BD	PW-66M690HG12-BD	PW-66M695HG12-BD	PW-66M700HG12-BD
P _{max} (W)	742.5	748	753.5	759	764.5	770
V _{oc} (V)	49.38	49.47	49.56	49.65	49.74	49.83
I _{sc} (A)	18.94	19.05	19.15	19.26	19.36	19.47
V _{mp} (V)	41.41	41.48	41.56	41.63	41.71	41.78
I _{mp} (A)	17.93	18.03	18.13	18.23	18.33	18.43

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



MECHANICAL DATA

Cell Type	Mono N-TYPE	Nominal Operating Cell Temperature(NOCT)	43±2°C
No. of Cells	132 (6 x 22)	Temperature Coefficient of P _{MAX}	-0.30%/°C
Module Dimensions	2384 x 1303 x 35mm	Temperature Coefficient of V _{OC}	-0.25%/°C
Weight	38.4kg	Temperature Coefficient of I _{SC}	+0.046%/°C
Front Glass	2.0mm	MAXIMUM RATINGS	
Back Glass	2.0mm	Operational Temperature	-40°C to +85°C
Frame	Anodized Aluminium Alloy	Maximum System Voltage	1500V DC
Junction Box	IP 68 Rated	Max Series Fuse Rating	35A
Cables	4.0mm ² , 350mm or Customized Length	Mechanical Load	5400pa
Connector	MC4 Compatible	Wind Load	2400pa

PACKAGING CONFIGURATION 31 pcs/Pallet, 558 pcs/40'HQ



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

All rights reserved. Specifications included in this datasheet are subject to change without notice.
Version No. PWS202311V03

FUTURE POWER AT TODAY