

G12 MONO MODULE **N** TYPE

615W-635W

Premium Quality *Bifacial Transparent Backsheet*

120 CELL

G12 MONO N-TYPE

22.44%

MAXIMUM EFFICIENCY

0 to +5W

POSITIVE POWER TOLERANCE



Higher Output of Power



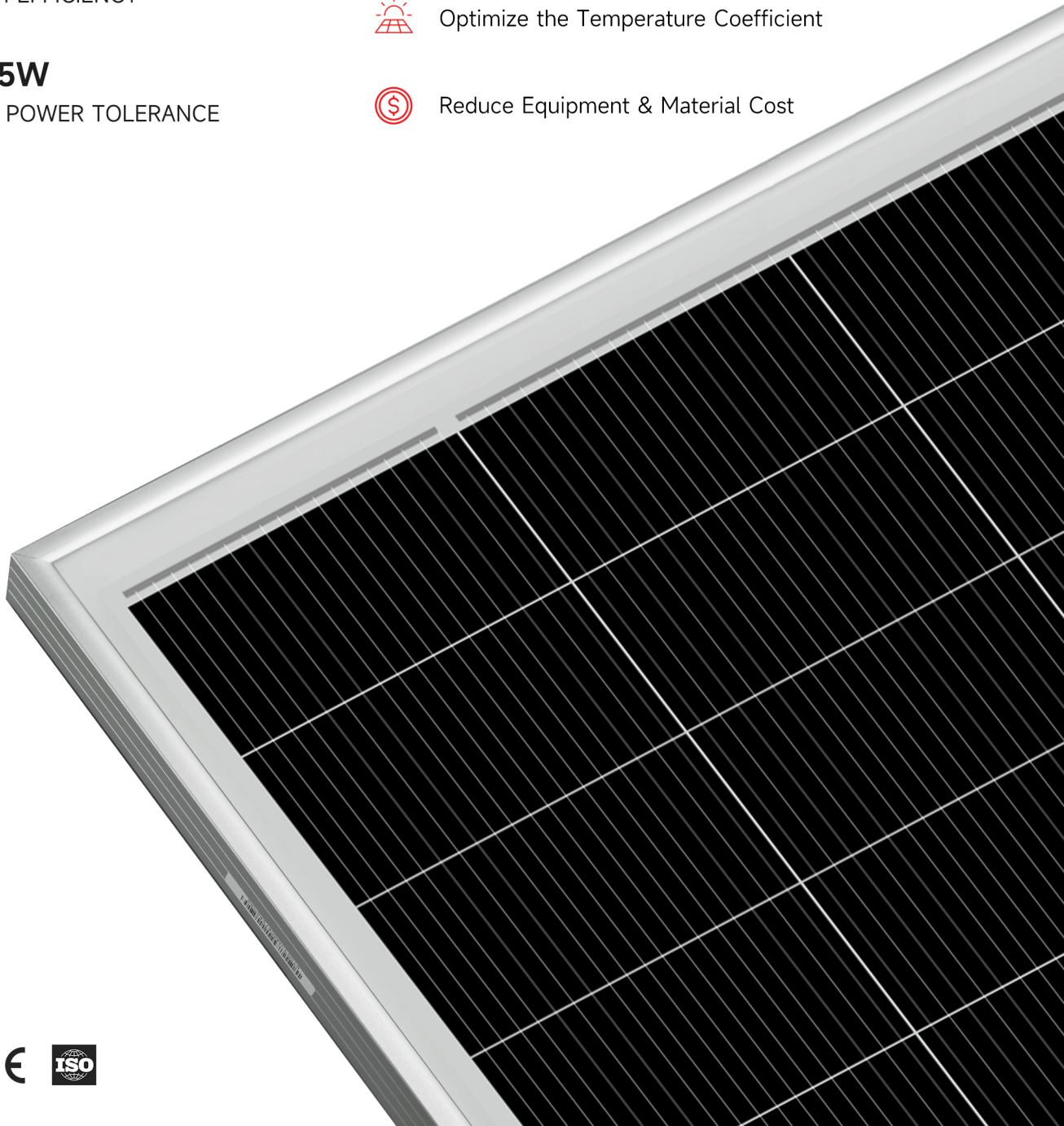
For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



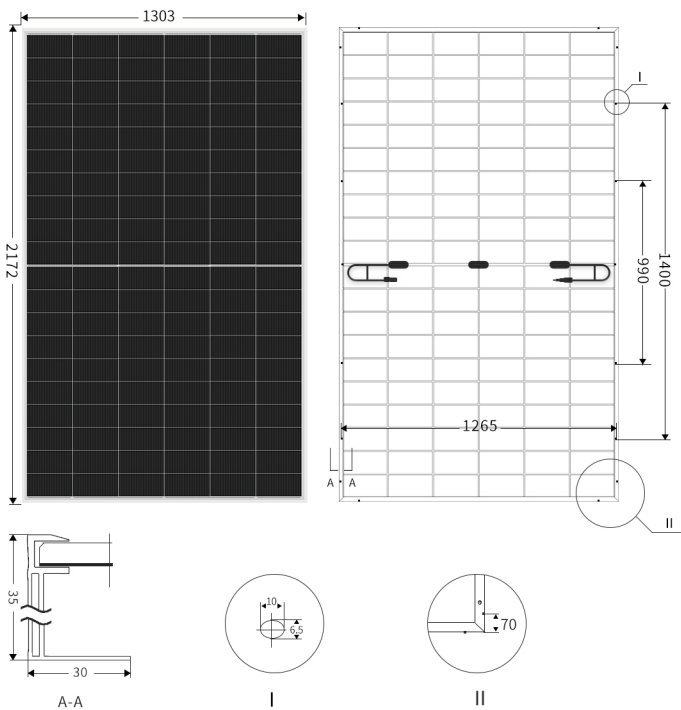
Module Type		PW-60M615HG12		PW-60M620HG12		PW-60M625HG12		PW-60M630HG12		PW-60M635HG12	
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	615	464	620	468	625	472	630	476	635	479
Maximum Power Voltage	$V_{MPP}(V)$	35.5	33.5	35.7	33.7	35.9	33.9	36.1	34.1	36.3	34.3
Maximum Power Current	$I_{MPP}(A)$	17.33	13.86	17.37	13.89	17.41	13.93	17.46	13.96	17.50	13.99
Open Circuit Voltage	$V_{OC}(V)$	42.7	40.4	42.9	40.6	43.1	40.8	43.3	41.0	43.5	41.2
Short Circuit Current	$I_{SC}(A)$	18.26	14.72	18.31	14.77	18.36	14.81	18.41	14.85	18.46	14.89
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	21.73		21.91		22.09		22.26		22.44	

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

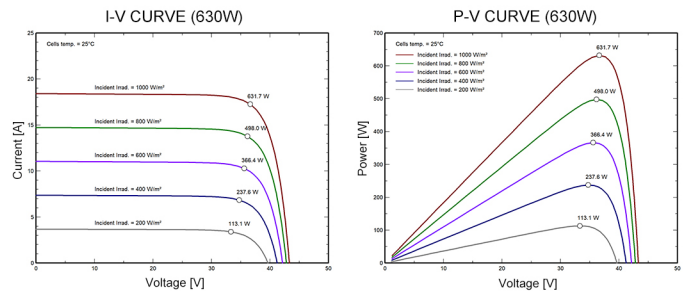
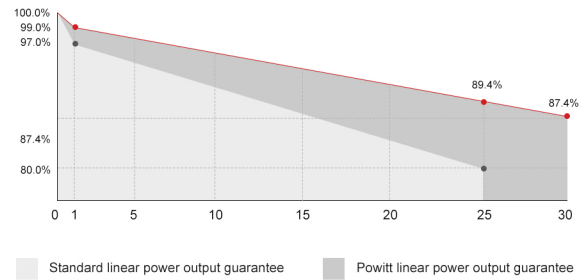
Module Type	PW-60M615HG12	PW-60M620HG12	PW-60M625HG12	PW-60M630HG12	PW-60M635HG12
Pmax (W)	676.5	682	687.5	693	698.5
Voc (V)	42.7	42.9	43.1	43.3	43.5
Isc (A)	20.13	20.18	20.23	20.28	20.33
Vmp (V)	35.5	35.7	35.9	36.1	36.3
Imp (A)	19.06	19.1	19.15	19.2	19.24

DIMENSIONS OF PV MODULE



LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



MECHANICAL DATA

Cell Type	Mono N-TYPE	TEMPERATURE RATINGS	Nominal Operating Cell Temperature(NOCT)	45±2°C
No. of Cells	120 (6 x 20)		Temperature Coefficient of P_{MAX}	-0.30%/°C
Module Dimensions	2172 x 1303 x 35mm		Temperature Coefficient of V_{OC}	-0.25%/°C
Weight	30.5kg		Temperature Coefficient of I_{SC}	+0.046%/°C
Glass	Anti-Reflective, AR Coated and Heat Tempered Solar Glass-3.2mm	MAXIMUM RATINGS	Operational Temperature	-40°C to +85°C
Backsheet	Transparent		Maximum System Voltage	1500V DC
Frame	Anodized Aluminium Alloy		Max Series Fuse Rating	35A
Junction Box	IP 68 Rated		Mechanical Load	5400pa
Cables	4.0mm ² , 350mm or Customized Length		Wind Load	2400pa
Connector	MC4 Compatible			

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



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