

G12 MONO MODULE **N** TYPE

# 690W-720W

Premium Quality *Bifacial Dual Glass*

**132 CELL**

G12 MONO N-TYPE

**23.18%**

MAXIMUM EFFICIENCY

**0 to +5W**

POSITIVE POWER TOLERANCE



Higher Output of Power



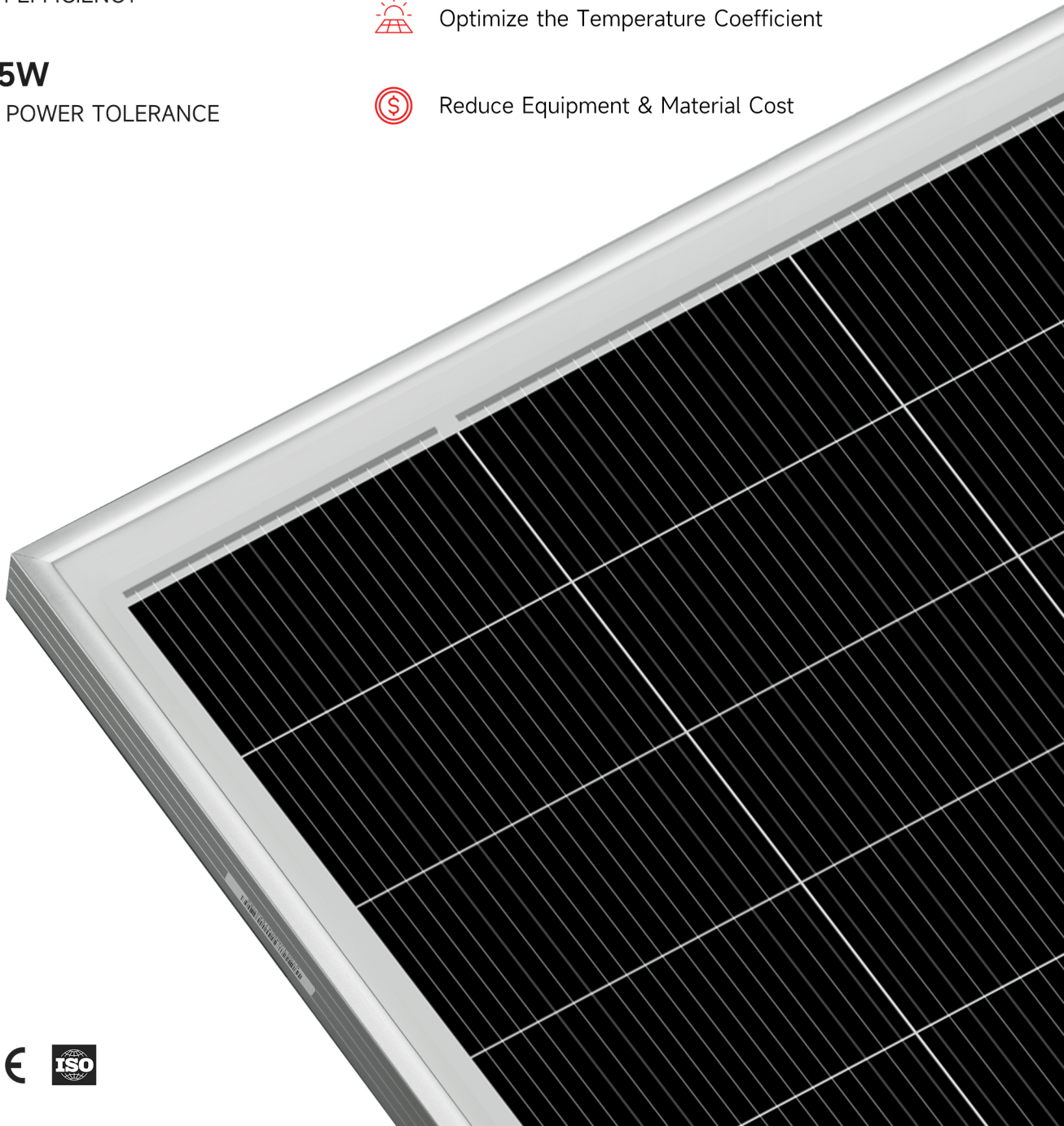
For Environment For Future



Optimize the Temperature Coefficient



Reduce Equipment & Material Cost



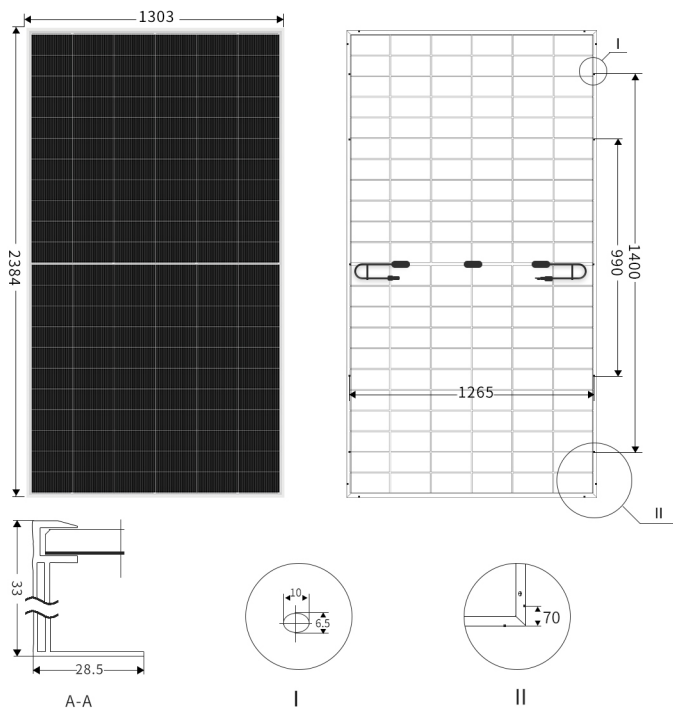
Module Type		PW-66M690HG12-BD		PW-66M695HG12-BD		PW-66M700HG12-BD		PW-66M705HG12-BD		PW-66M710HG12-BD		PW-66M715HG12-BD		PW-66M720HG12-BD	
		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Test Environment		STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power	$P_{MAX}(W)$	690	518	695	522	700	526	705	530	710	533	715	537	720	541
Maximum Power Voltage	$V_{MPP}(V)$	40.10	37.55	40.30	37.74	40.50	37.93	40.70	38.12	40.90	38.30	41.10	38.49	41.30	38.68
Maximum Power Current	$I_{MPP}(A)$	17.23	13.82	17.27	13.85	17.30	13.89	17.34	13.92	17.38	13.95	17.42	13.98	17.45	14.00
Open Circuit Voltage	$V_{OC}(V)$	48.04	44.99	48.28	45.21	48.52	45.44	48.76	45.66	49.00	45.89	49.24	46.11	49.48	46.34
Short Circuit Current	$I_{SC}(A)$	18.26	14.65	18.30	14.69	18.34	14.72	18.38	14.75	18.42	14.78	18.46	14.81	18.50	14.84
Tolerance	(W)	0 - +5		0 - +5		0 - +5		0 - +5		0 - +5		0 - +5		0 - +5	
Module Efficiency	(%)	22.21		22.37		22.53		22.69		22.86		23.02		23.18	

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.

### BIFACIAL OUTPUT-REAR SIDE POWER GAIN 10% FOR REFERENCE

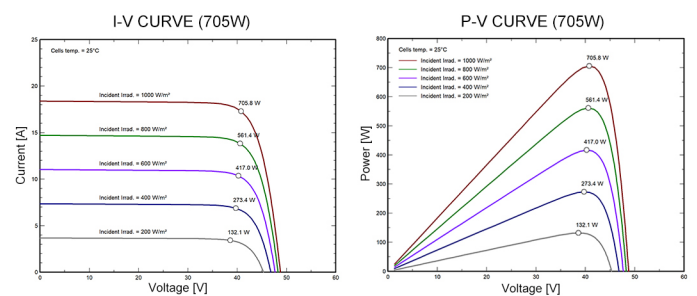
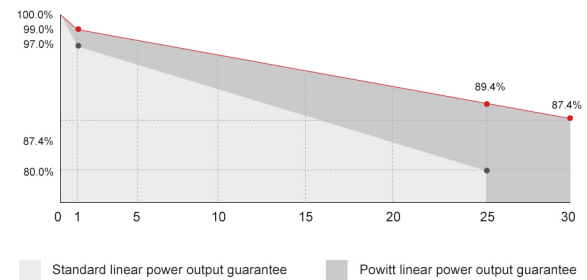
Module Type	PW-66M690HG12-BD	PW-66M695HG12-BD	PW-66M700HG12-BD	PW-66M705HG12-BD	PW-66M710HG12-BD	PW-66M715HG12-BD	PW-66M720HG12-BD
Pmax (W)	759	764.5	770	775.5	781	786.5	792
Voc (V)	48.04	48.28	48.52	48.76	49	49.24	49.48
Isc (A)	19.99	20.04	20.08	20.13	20.17	20.21	20.26
Vmp (V)	40.1	40.3	40.5	40.7	40.9	41.1	41.3
Imp (A)	18.93	18.97	19.01	19.05	19.10	19.14	19.18

### DIMENSIONS OF PV MODULE



### LINEAR PERFORMANCE WARRANTY

15 Year Product Warranty 30 Year Linear Power Warranty



### MECHANICAL DATA

Cell Type	Mono N-TYPE
No. of Cells	132 (6 x 22)
Module Dimensions	2384 x 1303 x 33mm
Weight	37.9kg
Front Glass	2.0mm
Back Glass	2.0mm
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)	43±2°C
Temperature Coefficient of P <sub>MAX</sub>	-0.30%/°C
Temperature Coefficient of V <sub>OC</sub>	-0.25%/°C
Temperature Coefficient of I <sub>SC</sub>	+0.046%/°C

### MAXIMUM RATINGS

Operational Temperature	-40°C to +85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	35A
Mechanical Load	5400pa
Wind Load	2400pa

**PACKAGING CONFIGURATION** 34 pcs/Pallet, 612 pcs/40'HQ



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