



# 435w~455w

## M6 solar modules Godzilla series

Mono MBB perc large size half cut module

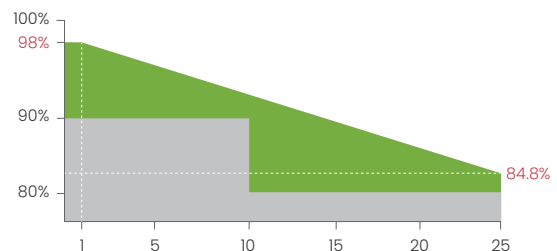
The product adopts MBB high efficiency PERC cell combined with half cut. It can cope with the rising efficiency and diversification demand of residential roofs, industrial and commercial roofs, and large ground power stations.

### MODULE CHARACTER

-  PID Resistance
-  Salt mist resistance  
Ammonia resistance  
dust and hail resistance
-  Production process reliability test
-  0~+5W Positive Tolerance
-  Mono MBB half cut
-  Reduce BOS cost increase ROI

### CERTIFICATION

IEC61215/IEC61730  
 ISO9001:Quality Management System  
 ISO14001:Environmental Management System  
 ISO45001:Occupational Health and Safety Management System



Linear performance warranty



Product warranty

Official Distributor



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 03420 Castalla (Alicante) Spain

Phone 965 560 025 / 671 680 080

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 www.bornay.com

Module Type	SR-M672435HLP		SR-M672440HLP		SR-M672445HLP		SR-M672450HLP		SR-M672455HLP	
Module Efficiency (%)	20.02		20.25		20.48		20.71		20.94	
Tolerance (W)	0~+5		0~+5		0~+5		0~+5		0~+5	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	435	322	440	325.8	445	329.5	450	333.2	455	336.90
Open Circuit Voltage Voc(V)	49.42	46.08	49.62	49.28	49.86	49.52	50.1	49.76	50.34	50.00
Short Circuit Current Isc(A)	11.28	9.06	11.35	9.11	11.41	9.16	11.48	9.22	11.55	9.28
Maximum Power Voltage Vm(V)	40.79	37.68	40.99	37.88	41.19	38.07	41.39	38.26	41.59	38.44
Maximum Power Current Im(A)	10.67	8.54	10.74	8.59	10.81	8.64	10.88	8.7	10.95	8.76
Cell Type (mm)	166x83(9BB Mono-Crystalline Silicon)									
Number of Cells (Pcs)	144(6x24)									
Maximum System Voltage (V)	DC1500									
Temp.Coeff.of Voc (%/°C)	-0.285									
Temp.Coeff.of Isc (%/°C)	0.055									
Temp.Coeff.of Pm (%/°C)	-0.365									
Operating Temperature (°C)	-40 to 85									
Nominal Operating Cell Temperature(NOCT) (°C)	45±2									
Max.Series Fuse (A)	20									
Pressure Bearing (Pa)	5400									
Wind Bearing (Pa)	2400									

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM1.5  
 NOCT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s

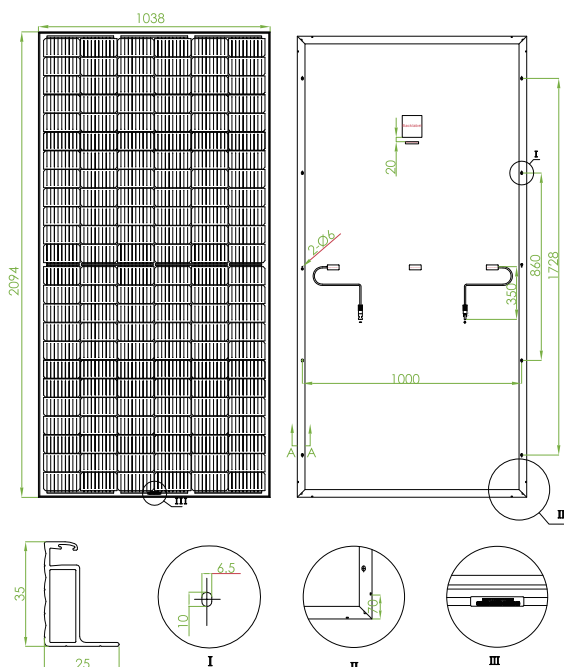
**MATERIAL DETAILS**

Frame	Anodized aluminum	Glass	3.2mm low-iron tempered suede glass
Cell	6x24pcs 166x83mm mono solar cell	Junction Box	IP≥68,TÜV & UL
Diode quantity	3	Cable&Connector	4mm <sup>2</sup> , EVO2 or EVO2 compatible
Net length of Cable	350mm or as customer's requirements		

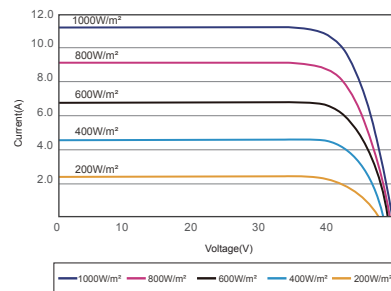
**PACKING DETAILS**

Dimension	2094x1038x35mm	Weight	23.5kg
Loading Capacity	300 pcs / 20'GP 726 pcs / 40'HC	Packing	31pcs/pallet

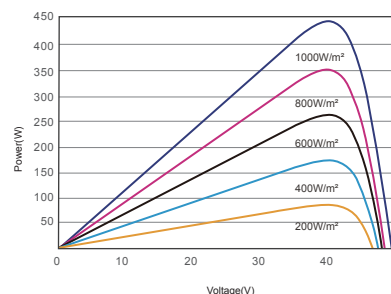
**ENGINEERING DRAWINGS**



**IV CURVES**



I-V CURVES OF PV MODULE(445W)



P-V CURVES OF PV MODULE(445W)