



Advancing the Power of the Sun

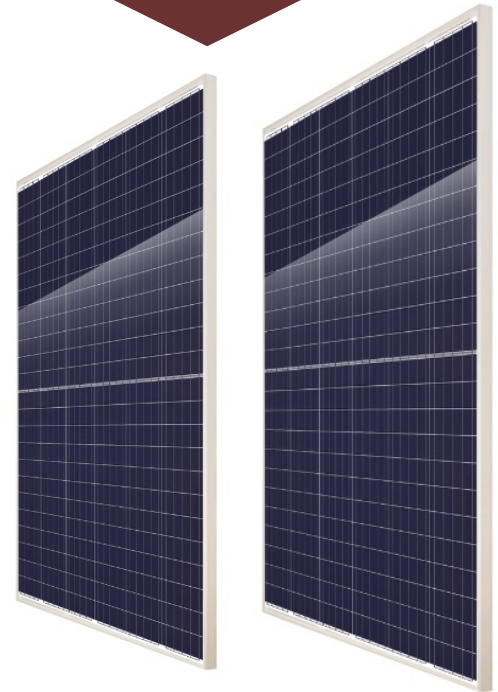
# Bifacial Module 390-405W

## BVM6612M(L)-HC-BF-DG

0~+5W  
Power Tolerance

19.7%  
Maximum Efficiency

390-405W  
Power Output Range



39.45 x 80.79 Inches

Silver Frame / Double-sided glass



### High Quality and Reliable Modules

- ◆ Double-sided glass technology, more power generation
- ◆ Withstand up to 5400 Pa snow load and 2400 Pa wind load
- ◆ 2 EL inspections per cell/module for defect-free consistency
- ◆ High salt and ammonia resistance certified
- ◆ 0~+5 W guaranteed positive tolerance
- ◆ Rugged design for long-term durability; passed extended reliability tests



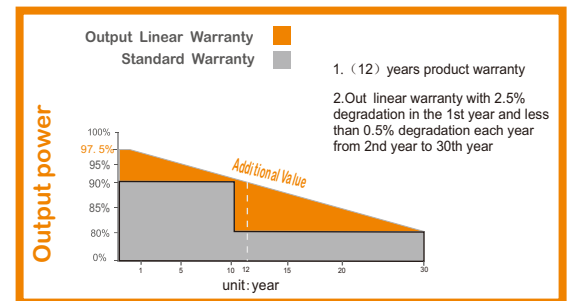
### Warranty

- ◆ 12-year product warranty
- ◆ 30-year linear power output warranty



### Comprehensive Certificates for Products and Management

- ◆ UL 61730, IEC 61215, IEC 61730, CEC listed, MCS and CE
- ◆ ISO 9001 for Quality Management Systems
- ◆ ISO 14001 for Environmental Management Systems
- ◆ OHSAS 18001 Occupational Health and Safety Systems



Listed in Bloomberg New Energy Finance's tier 1 list as of 1Q 2018



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Electrical Characteristics STC				
	BVM6612M-390L-H-HC-BF-DG	BVM6612M-395L-H-HC-BF-DG	BVM6612M-400L-H-HC-BF-DG	BVM6612M-405L-H-HC-BF-DG
Maximum Power (Pmax)	390W	395W	400W	405W
Maximum Power Current (Imp)	9.82A	9.90A	9.98A	10.06A
Maximum Power Voltage (Vmp)	39.79V	39.98V	40.16V	40.33V
Short Circuit Current (Isc)	10.33A	10.42A	10.45A	10.49A
Open Circuit Voltage (Voc)	48.65V	48.85V	49.15V	49.45V
Module Efficiency	19.0%	19.2%	19.5%	19.7%
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
STC: AM1.5, Irradiance 1000W/m <sup>2</sup> , 25°C				

Electrical Characteristics NOCT				
	BVM6612M-390L-H-HC-BF-DG	BVM6612M-395L-H-HC-BF-DG	BVM6612M-400L-H-HC-BF-DG	BVM6612M-405L-H-HC-BF-DG
Maximum Power (Pmax)	286W	290W	295W	298W
Maximum Power Current (Imp)	7.81A	7.86A	7.93A	7.99A
Maximum Power Voltage (Vmp)	36.7V	36.9V	37.20V	37.30V
Short Circuit Current (Isc)	8.33A	8.40A	8.47A	8.54A
Open Circuit Voltage (Voc)	45.5V	45.8V	46.1V	46.4V
NOCT: AM1.5, Irradiance 800W/m <sup>2</sup> , 20°C, Wind speed 1m/s				

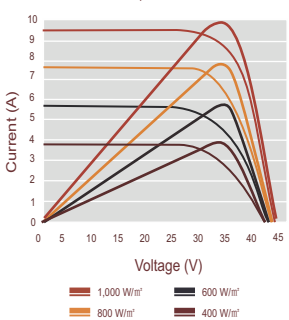
Mechanical Characteristics		Thermal Characteristics	
Solar Cell	Bifacial-Monocrystalline 6.25 x 3.125 inch, 144 (6 x 24) pcs. in series	Pmax Temperature Coefficient	-0.37%/K
Double glass	2.0mm AR coating tempered glass+2.0mm Semi-tempered glass,low iron	Voc Temperature Coefficient	-0.31%/K
Frame	Anodized aluminum alloy	Isc Temperature Coefficient	+0.06%/K
Junction Box	IP67 rated, with 3 bypass diode	NOCT	113±35.6°F
Output Cable	4 mm <sup>2</sup> (EU)/12 AWG (US), 39.38 inch		
Connector	MC4 Compatible		
Dimension	80.79 x 39.45 x 1.38 inch		
Weight	61.73 lb		

Maximum Ratings		Packing Information	
Operating Temperature	-40°F~185°F	Pieces per pallet	30
Maximum Series Fuse Rating	20A	Pallets per container (40HQ)	22
Maximum System Voltage	1000/1500V DC	Pieces per container (40HQ)	660
		Pallet weight/size	1835 lb/ 83 x 43.10 x 45.08 inch

### Bifacial Output-Backside Power Gain

10%	Pmax (W)	429	434.5	440	445
	Module efficiency (%)	20.86	21.13	21.40	21.67
20%	Pmax (W)	468	474	480	486
	Module efficiency (%)	22.76	23.05	23.35	23.64

I-V Curves at Different Irradiances (400W)  
Test Temperature: 25°C



Irradiance: AM 1.5, 1,000W/m<sup>2</sup> (400W)

