

## Bifacial Half-Cut Cell Module 370-385W



Anti PID



More Power

Low power loss in cell connection  
Up to 30% more energy yield due to back side power generation



More Reliable

Lower hot spot temperature



IP68 connectors enhance the reliability of the PV system



Better Shading Tolerance



12-year product warranty  
30-year linear performance warranty

**Bloomberg Tier1**  
NEW ENERGY FINANCE

**TOP\***  
PERFORMER

### Features



#### Higher Reliability

Using tempered glass as backsheet, which brings higher reliability and better anti-corrosiveness to the module



#### Much Safer

Fireproof glass backsheet make module much safer

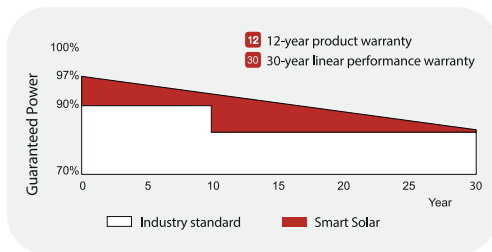


#### Industrial Aesthetics

Available for residential, commercial & utility sites



#### 30-Year Performance Warranty



### Mono PERC

#### About Smart Energy

Smart Energy produces new generation PERC, Black Silicon, Dual Glass, Bifacial, MBB and Half-Cut Cell modules with both backsheet and glass-glass options on its state-of-the-art technology production lines in its factory located in Gebze Organized Industrial Zone with a covered area of 23.500 m2.

\* These criteria are applied only to Panels manufactured with Phono Solar brandname.

# Bifacial Half-Cut Cell Module

## ELECTRICAL TYPICAL VALUES

Model	PS370MGFH-24/TH	PS375MGFH-24/TH	PS380MGFH-24/TH	PS385MGFH-24/TH
Type	Monocrystalline 6 inch x 3 inch square			
Rated Power (Pmpp)	370	375	380	385
Tolerance	0~+5w			
Rated Current (Impp)	9.64	9.73	9.82	9.90
Rated Voltage (Vmpp)	38.39	38.55	38.70	38.89
Short Circuit Current (Isc)	10.23	10.32	10.41	10.50
Open Circuit Voltage (Voc)	45.02	45.17	45.33	45.49
Module Efficiency (%)	18.48	18.73	18.98	19.23
NOCT (Nominal Operation Cell Temperature)	43°C ± 2°C			
Voltage Temperature Coefficient	-0.29%/°C			
Current Temperature Coefficient	+0.05%/°C			
Power Temperature Coefficient	-0.37%/°C			

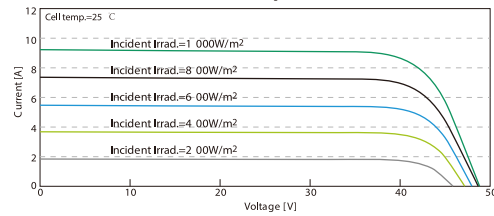
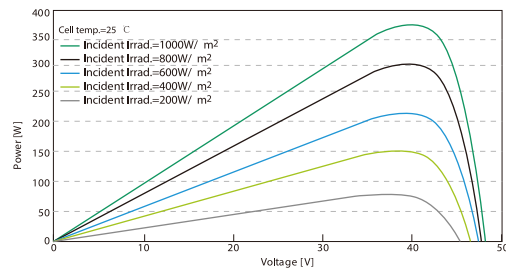
## BIFACIAL ELECTRICAL VALUES

	10%	20%	30%
Maximum Power (W)	407	444	481
Module Efficiency (%)	20.33	22.18	24.03
Maximum Power (W)	413	450	488
Module Efficiency (%)	20.60	22.48	24.35
Maximum Power (W)	418	456	494
Module Efficiency (%)	20.88	22.78	24.68
Maximum Power (W)	424	462	501
Module Efficiency (%)	21.15	23.08	25.00

## MECHANICAL CHARACTERISTICS

Dimension (L x W x H)	Length: 2006mm (78.98 inch)
	Width: 998mm (39.29 inch)
	Height: 40mm (1.57 inch)
Weight	25kg (55.56 lbs)
Front Glass	2.0/2.0mm tempered glass
Cable	4mm <sup>2</sup> (IEC) / Length:350mm (v) 1250mm (h) or Customized length
Junction Box	IP68 rated

## ELECTRICAL CHARACTERISTICS



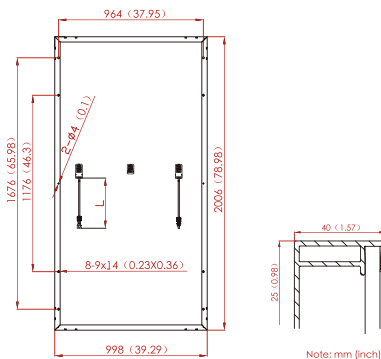
## ABSOLUTE MAXIMUM RATING

Parameter	Values
Operating Temperature	From -40 to +85°C
Hail Diameter @ 80km/h	Up to 25mm
Surface Maximum Load Capacity	Up to 5400Pa
Maximum Series Fuse Rating	15A / 20A
IEC Application Class (IEC61730)	A
Fire Rating (IEC61730)	A
Maximum System Voltage	DC 1000V / 1500V (IEC / ELT)

## PACKING CONFIGURATION

Container	40'HQ	20'GP
Pieces / Container	770	295

- In compliance with our warranty terms and conditions.
- Measurement conditions under irradiance level of Standard Test Conditions(STC): 1000W/m<sup>2</sup>, Air mass 1.5 Spectrum, cell temperature of 25°C.



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Note:  
 This datasheet is not legally binding. Smart Solar reserves the right to adjust specifications without notice.  
 Further information please refer to our website:  
[www.smartsolar.com.tr](http://www.smartsolar.com.tr)

