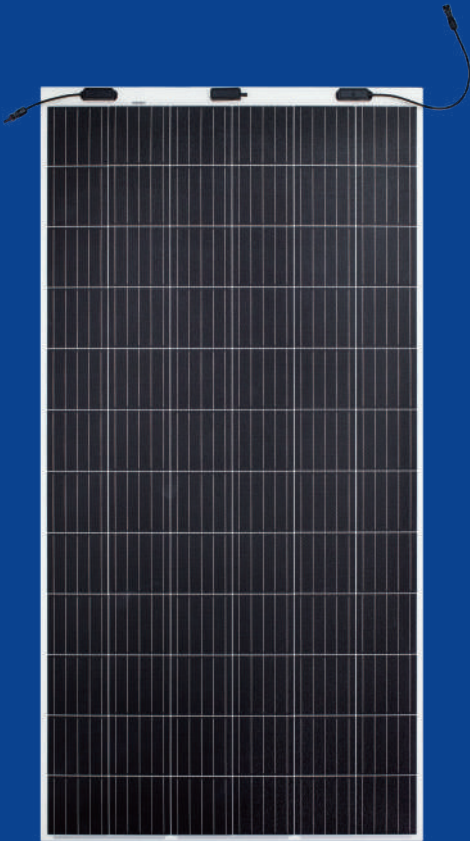




# 375 Watt 72 Cell Monocrystalline Module



**Ultra-light:** Glass free module weighs 5.8 kg, 70% lighter than conventional glass modules.



**Fast-Installation:** Through "Quick-Bonding" installation, requires no penetration, reduces time on roof by 40% and eliminates the use of mounting hardware.



**Aesthetic:** Seamless integration with underlying installation surface.



**Durable:** The PV panel is the first glassless module to pass the same durability tests as conventional glass modules, including IEC 61215:2016, IEC61730:2016 and UL1703 (USA). It has also passed PID, salt mist and ammonia corrosion tests.

POWER OUTPUT RANGE 370~375 W

POWER TOLERANCE 0-5 W

**10 Year Product Warranty**

**25 Year Linear Power Warranty**



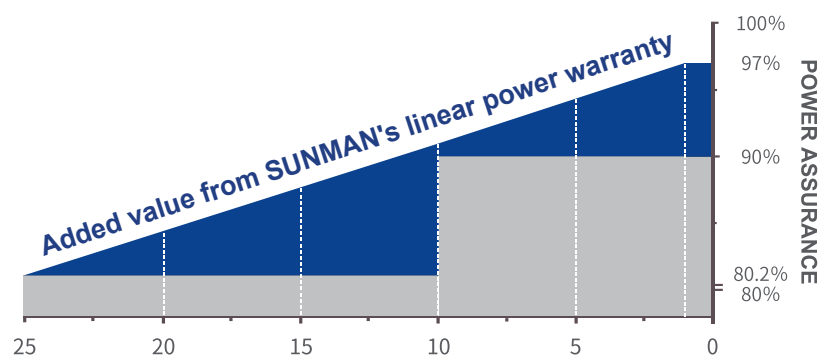
[www.barrel.solar](http://www.barrel.solar)



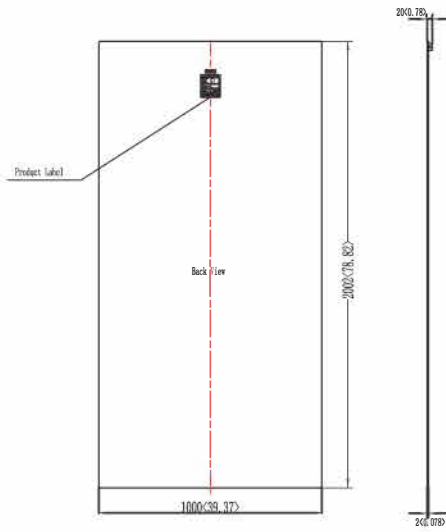
ULTRA-LIGHT & FLEXIBLE SOLAR PANEL

## LINEAR PERFORMANCE WARRANTY

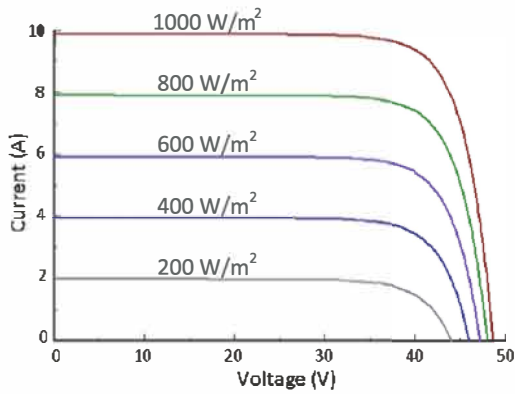
CAUTION: Read installation manual before using the product.  
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## DIMENSIONS



## I-V CURVE (375)



## TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature(NOMT)	41±2 °C
Temperature Coefficient of $P_{max}$	-0.38 %/°C
Temperature Coefficient of $V_{oc}$	-0.28 %/°C
Temperature Coefficient of $I_{sc}$	0.020 %/°C

## ELECTRICAL CHARACTERISTICS

STC	SMF370M-6X12UW	SMF375M-6X12UW
Maximum Power ( $P_{max}$ )	370	375
Maximum Power Voltage ( $V_{mp}$ )	39.9	40.2
Maximum Power Current ( $I_{mp}$ )	9.28	9.33
Open-circuit Voltage ( $V_{oc}$ )	48.4	48.6
Short-circuit Current ( $I_{sc}$ )	9.81	9.86
Module Efficiency (%)	18.5	18.7
Operating Temperature	-40 °C to 85 °C	
Maximum System Voltage	1000 V DC (IEC)	
Maximum Series Fuse Rating	20 A	
Application Class	Class A	
Power Tolerance	0/+5 W	

STC: Irradiance 1000W/m<sup>2</sup>, Cell temperature 25°C, AM=1.5.

Tolerances of  $P_{max}$ ,  $V_{oc}$  and  $I_{sc}$  are within ±5%

NMOT	SMF370M-6X12UW	SMF375M-6X12UW
Maximum Power ( $P_{max}$ )	278	282
Maximum Power Voltage ( $V_{mp}$ )	36.8	37.0
Maximum Power Current ( $I_{mp}$ )	7.56	7.63
Open-circuit Voltage ( $V_{oc}$ )	45.1	45.3
Short-circuit Current ( $I_{sc}$ )	8.00	8.07

NMOT: Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, AM=1.5, Wind speed 1 m/s.

## MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon (158.75mm)
No. of Cells	72 (6×12)
Module Dimensions	2002×1000×2 mm
Weight	5.8kg
Backsheet	White
Frame	Frameless
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm 2, (+)150 / (-)450 mm
Connector	MC4 compatible

## PACKAGING CONFIGURATION

	20' GP	40' HC
Module per pallet	30+66	66
Pieces per container	480	1452