

# 310 Watt

## 60 Cell Monocrystalline Module

### FLEX310



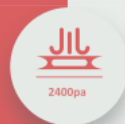
**Ultra-light:** Glass free module weighs 5.0 kg, 70% lighter than conventional glass modules.



**Fast-Installation:** Through "Quick-Bonding" installation, FLEX310 requires no penetration, reduces time on roof by 40% and eliminates the use of mounting hardware.



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



**Durable:** FLEX310 is the first glassless module to pass the same durability tests as conventional glass modules, including IEC 61215:2016, IEC 61730:2016 and UL1703(USA). FLEX310 has also passed PID, salt mist and ammonia corrosion tests.

POWER OUTPUT RANGE 305~310W

POWER TOLERANCE 0-5 W

### LINEAR PERFORMANCE WARRANTY

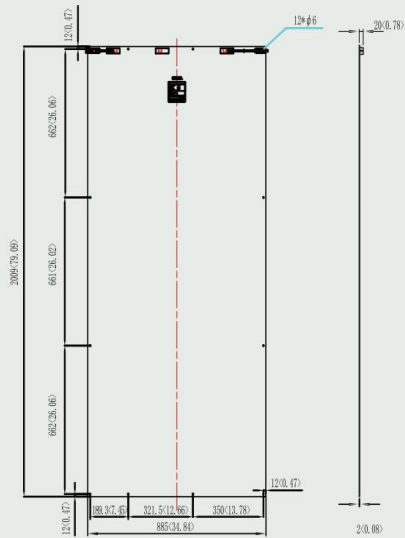
CAUTION: Read installation manual before using the product.

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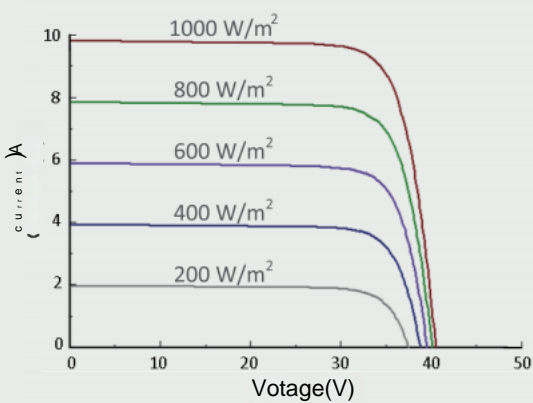
5 Year Linear Power Warranty



## DIMENSIONS

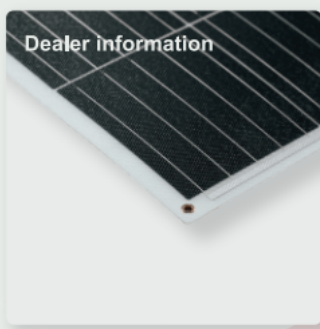


## I-V CURVE(310)



## TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature(NMOT)	41±2C
Temperature Coefficient of Pmax	-0.38%/C
Temperature Coefficient of V.	-0.28%/C
Temperature Coefficient of I.	0.020%/C



## ELECTRICAL CHARACTERISTICS

STC	FLEX305	FLEX310
Maximum Power(Pm)	305	310
Maximum Power Voltage (Vm,)	33.0	33.3
Maximum Power Current(I <sub>m</sub> ,)	9.25	9.31
Open-circuit Voltage (V <sub>o</sub> .)	40.3	40.5
Short-circuit Current(I <sub>o</sub> .)	9.74	9.81
Module Efficiency(%)	17.2	17.4
Operating Temperature	40 to 85	
Maximum System Voltage	1000VDC(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 25C, AM=1.5. Tolerances of P<sub>mn</sub>, V<sub>oand</sub> I<sub>are</sub> within±5%

NMOT	FLEX305	FLEX310
Maximum Power(Pmax)	229	233
Maximum Power Voltage(V <sub>...</sub> )	30.5	30.7
Maximum Power Current(I <sub>mg</sub> )	7.51	7.59
Open-circuit Voltage (V <sub>o</sub> .)	37.4	37.6
Short-circuit Current(I <sub>o</sub> .)	7.96	8.04

## MECHANICAL CHARACTERISTICS

Solar Cell	Monocrystalline silicon (158.75mm)
No.of Cells	60 (5×12)
Module Dimensions	2009×885×2 mm
Weight	5.0kg
Backsheet	White
Frame	Frameless
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm 2,(+)450 mm/(-)450 mm
Connector	MC4 compatible

## PACKAGING CONFIGURATION

	20"GP	40"HC
Module per pallet	66+10	66+11
Pieces per container	710	1617