



430Watt 144 Half Cell Monocrystalline



Ultra-light: Glass free module weighs 7.2kg, 70% lighter than conventional glass module



Fast Installation: Through “Quick-Bonding” installation, SUNO[®] UL requires no penetration, reduces time on roof by 40% and eliminates the use of mounting hardware.



Aesthetics: Seamless integration with underlying installation surface.



Durability: SUNO[®] UL is the first glassless module to pass the same durability test as conventional glass module, including IEC 61215:2016, IEC61730:2016 and UL 1703 (USA). SUNO[®] UL has also passed PID, salt mist and ammonia corrosion tests.

POWER OUTPUT RANGE 425~430W

POWER TOLERANCE 0-5W

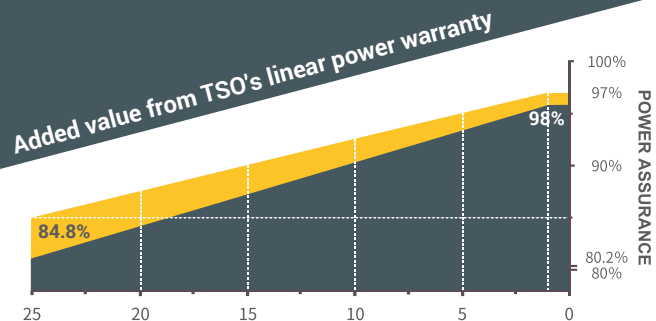
12 Year Product Warranty

25 Year Linear Power Warranty



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“Innovating for Solar Energy”



ELECTRICAL CHARACTERISTICS

STC	SUNO-U 425F	SUNO-U 430F
Maximum Power (P_{max})	425	430
Maximum Power Voltage (V_{mp})	41.8	42.0
Maximum Power Current (I_{mp})	10.17	10.24
Open-circuit Voltage (V_{oc})	49.6	49.8
Short-circuit Current (I_{sc})	10.67	10.74
Module Efficiency (%)	19.2	19.4
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/m², Cell temperature 25°C, AM=1.5.

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

NMOT	SUNO-U 425F	SUNO-U 430F
Maximum Power (P_{max})	321.4	325.1
Maximum Power Voltage (V_{mp})	38.6	38.8
Maximum Power Current (I_{mp})	8.33	8.38
Open-circuit Voltage (V_{oc})	46.6	46.8
Short-circuit Current (I_{sc})	8.64	8.69

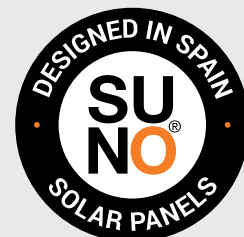
NMOT: Irradiance 800W/m², Ambient temperature 20°C, AM=1.5, Wind speed 1 m/s.

MECHANICAL CHARACTERISTICS

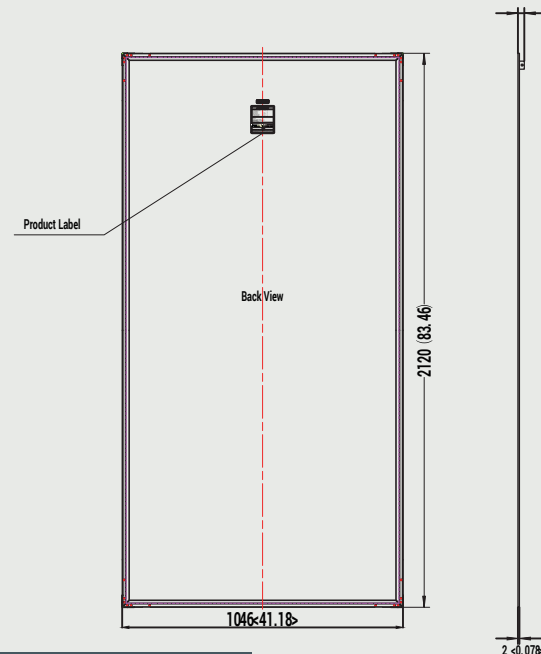
Solar Cell	Monocrystalline silicon (16mm half cell)
No. of Cells	144 (6×24)
Module Dimensions	2120×1046×2 mm
Weight	7.2 kgs
Backsheet	White
Frame	Frameless
J-box	IP 68 rated
Output Cables	Photovoltaic technology cable 4.0 mm ² , (+)150 / (-)450 mm
Connector	MC4 compatible

PACKAGING CONFIGURATION

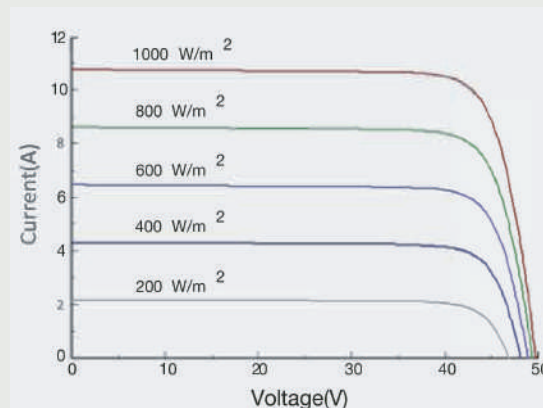
	20' GP	40' HC
Module per pallet	66+40	66+40
Pieces per container	530	1400



DIMENSIONS



I-V CURVE (430)



TEMPERATURE CHARACTERISTICS

Nominal Module Operating Temperature(NMOT)	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

Dealer Information

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