



430 Watt 144 Half Cell Monocrystalline



Ultra-light: Glass free module weighs 7.2 kg, 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 425~430 W
POWER TOLERANCE 0-5 W

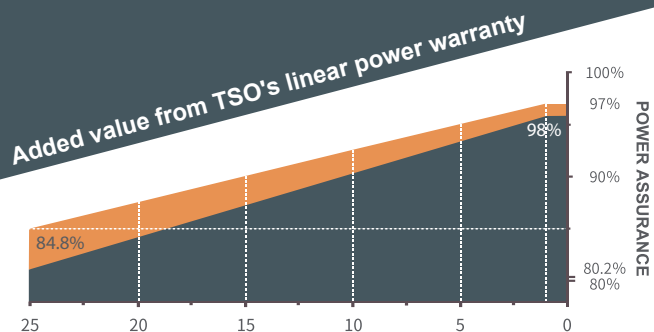
12 Year Product Warranty
25 Year Linear Power Warranty



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"Innovating for Solar Energy"





ELECTRICAL CHARACTERISTICS

| STC | SUNO-U425F | SUNO-U430F |
|------------------------------------|-----------------|------------|
| 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-U425F | SUNO-U430F |
|------------------------------------|------------|------------|
| 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.

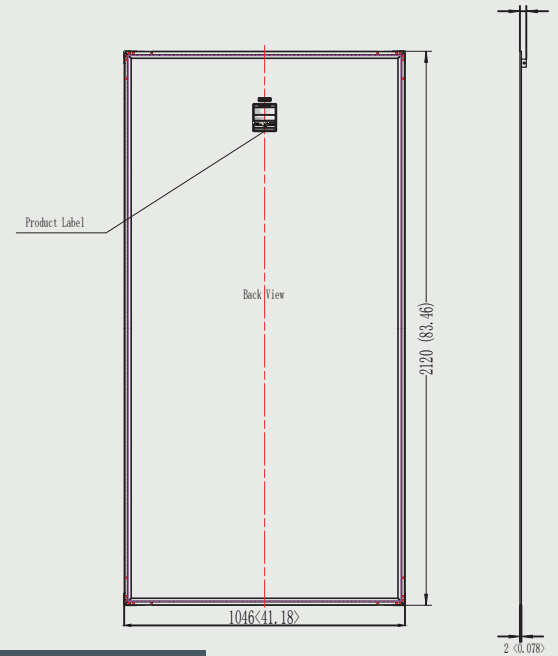
MECHANICAL CHARACTERISTICS

| | |
|-------------------|--|
| 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 |

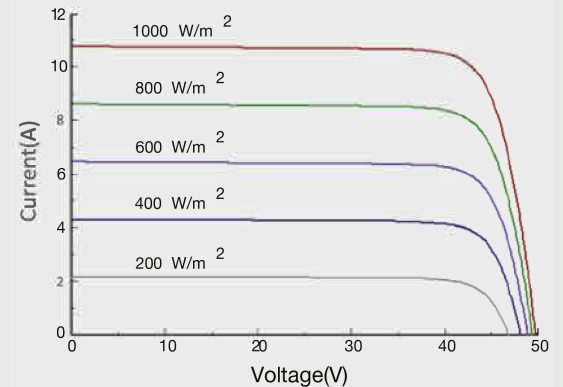
PACKAGING CONFIGURATION

| | | |
|----------------------|--------|--------|
| | 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

The South Oracle SL
 Add: Julio Cesar, 3 41001 Seville (Spain)
 info@tso.solar
 www.tso.solar

The South Oracle, LLC
 Add.: Suite 1702, Level 17 Boulevard Plaza Tower 1,
 Downtown Dubai, Dubai, UAE. P.O. Box 416654
 dubai.tso.solar