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LEADING IN TECHNOLOGY

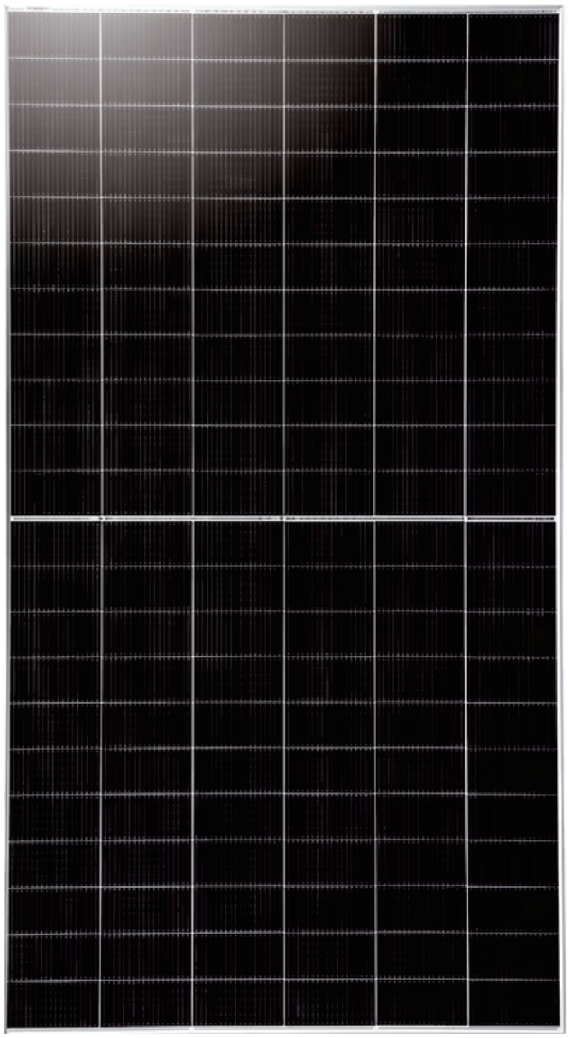
# Mountain series

## Double Glass BiFacial N-Type TOPCon Solar Module

# 700~725 Watt

Model: UL-***M-132DGN

Maximum Efficiency: 23.34%



### Cutting Free Technology

The half cells are made directly from half silicon wafer, reducing power losses and hidden cracks

### Longer Term Reliability

Passed the IEC63209-1:2021 standard test (With testing standards 2 to 3 times stricter than regular IEC requirements)

### Outstanding Mechanical load Resistance

2mm+2mm front and back sides tempered glass, sturdy and durable, resistant to hail impact, with a snow load of 5400Pa and a wind load of 2400Pa

### Anti-PID(potential induced degradation)

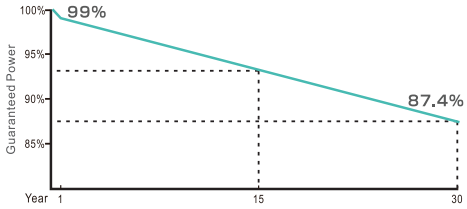
Passed anti-PID test under 85°C damp heat 85% relative humidity for 192 hours

### Lower LCOE

Lower shading and resistive loss Lower temperature coefficient

### Full-Scenario Resilience

Proven through rigorous resistance tests for salt mist,ammonia corrosion, sand & dust, and LeTID degradation.




15 Year Product Warranty  1% Power Degradation In The First Year

30 Year Linear Power Warranty  0.4% Linear Power Degradation

IEC 61215, IEC 61730
ISO 9001: 2015(Quality management systems)
ISO 14001: 2015 (Environmental management systems)
ISO45001: 2018 (Occupational health and safety)
UNI 9177 Fire Test: Class 1


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# DOUBLE GLASS BIFACIAL 700~725Watt

## ELECTRICAL SPECIFICATIONS

| Module Type | | UL-700M-132DGN | | UL-705M-132DGN | | UL-710M-132DGN | | UL-715M-132DGN | | UL-720M-132DGN | | UL-725M-132DGN | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | STC* | NOCT* | STC* | NOCT* | STC* | NOCT* | STC* | NOCT* | STC* | NOCT* | STC* | NOCT* |
| Maximum Power(Pmax) | W | 700 | 530 | 705 | 534 | 710 | 538 | 715 | 542 | 720 | 546 | 725 | 549 |
| Maximum Power Voltage(Vmp) | V | 40.54 | 37.29 | 40.69 | 37.43 | 40.84 | 37.57 | 40.99 | 37.71 | 41.20 | 37.90 | 41.30 | 38.00 |
| Maximum Power Current(Imp) | A | 17.27 | 14.22 | 17.33 | 14.27 | 17.38 | 14.32 | 17.44 | 14.37 | 17.48 | 14.39 | 17.55 | 14.46 |
| Open-circuit Current(Voc) | V | 48.62 | 44.24 | 48.72 | 44.34 | 48.82 | 44.43 | 48.93 | 44.53 | 48.98 | 44.57 | 49.03 | 44.62 |
| Short-circuit Current(Isc) | A | 18.32 | 14.78 | 18.36 | 14.81 | 18.40 | 14.84 | 18.42 | 14.86 | 18.44 | 14.87 | 18.50 | 14.92 |
| Module Efficiency STC | % | 22.53 | | 22.70 | | 22.86 | | 23.02 | | 23.18 | | 23.34 | |

*STC:Cell temperature:25°C,Irradiance:1000W/m²,Ari mass:1.5G,Power measurement tolerance: ±3%
*NOCT:Air temperature:20°C,Irradiance:1000W/m²,Ari mass:1.5G,Wind speed:1m/s

## OPERATING PARAMETERS

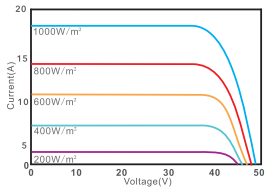
| | |
|---|---|
| Operating Temperature | -40°C~85°C |
| Maximum system voltage | DC1500V(IEC) |
| Maximum series fuse rating | 35A |
| Nominal operating cell temperature | 43±2°C |
| Power tolerance | 0~+5Watt |

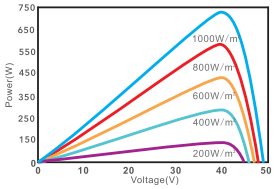
## TEMPERATURE RATINGS

| | |
|---|---|
| Temperature coefficients of Pmax | -0.29%/°C |
| Temperature coefficients of Voc | -0.25%/°C |
| Temperature coefficients of Isc | 0.046%/°C |

## I-V CURVE

I-V characteristics at different irradiations (reference to 725 W)



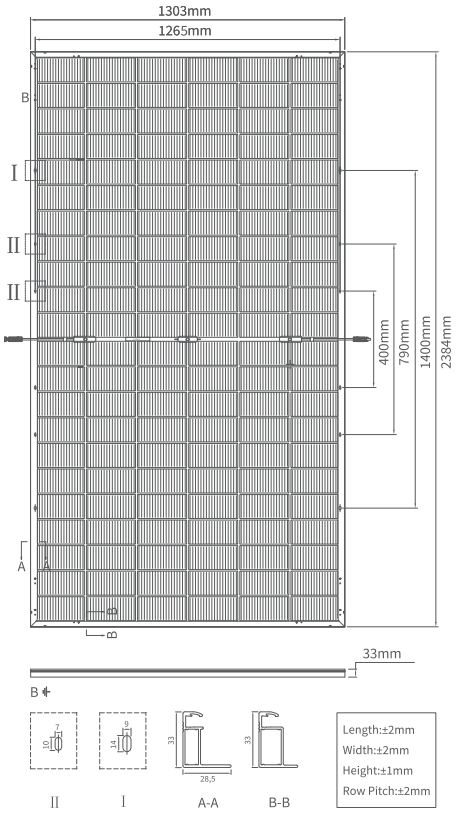




## REAR SIDE POWER GAIN(REFERENCE TO 725W FRONT SIDE)

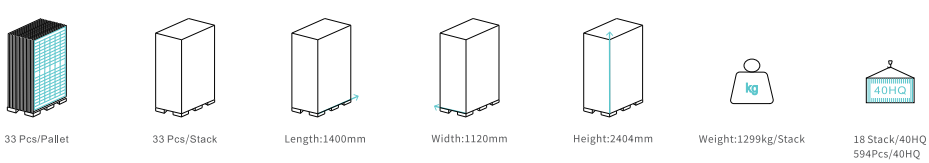
| Pmax/W | 725 | 761 | 798 | 834 | 870 | 906 | 943 |
|---|---|---|---|---|---|---|---|
| Pmax gain | 0% | 5% | 10% | 15% | 20% | 25% | 30% |
| Voc/V | 49.03 | 49.03 | 49.03 | 49.03 | 49.03 | 49.03 | 49.03 |
| Isc/A | 18.50 | 19.43 | 20.35 | 21.28 | 22.20 | 23.13 | 24.05 |
| Vmp/V | 41.30 | 41.30 | 41.30 | 41.30 | 41.30 | 41.30 | 41.30 |
| Imp/A | 17.55 | 18.43 | 19.31 | 20.18 | 21.06 | 21.94 | 22.82 |

## SPECIFICATIONS

| | |
|---|---|
| Cell Type | N-type TOPCon Mono Half Cell |
| No.of cells | 132(6×11×2) |
| Dimensions | 2384*1303*33mm |
| Weight | 38.3kg |
| Front Glass | 2.0mm,Anti-Reflection Coating,High Transmission,Low Iron,Tempered Glass |
| Back Glass | 2.0mm,High Transmission,Low Iron,Tempered Glass |
| Frame | Anodized Aluminium Alloy |
| Junction Box | IP68,3diodes |
| Connector | ○ MC4 Compatible:PV-UL608 or ○ Original:MC4-EVO2 or ○ others_____ |
| Cable Length (Including Connector) | 4mm² ○ Short Cable: (+)400/(-)200mm or ○ Long Cable:(+)1400/(-)1400mm or ◉ Customized Length (+) 300/(−) 200mm |




## PACKAGING INFORMATION




33 Pcs/Pallet | 33 Pcs/Stack | Length:1400mm | Width:1120mm | Height:2404mm | Weight:1299kg/Stack | 18 Stack/40HQ 594Pcs/40HQ

Specifications included in this datasheet are subject to change without notice.

Ulica Solar reserves the right of final interpretation.

Version number: UL-2384-132DGNBBD-33B1-ENWJ-C1.0