

Mountain series

Double Glass Bifacial N-Type TOPCon Solar Module

710~735Watt

Model: UL-***M-132DGN

Maximum Efficiency: **23.66%**



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



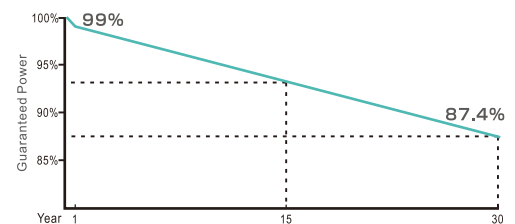
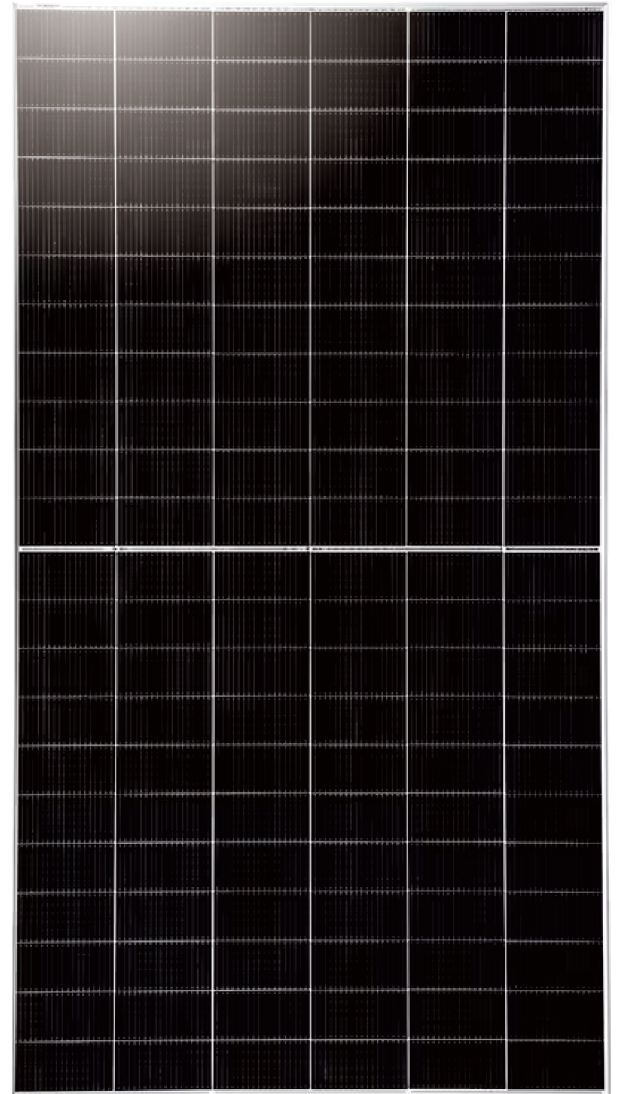
Lower LCOE

Lower shading and resistive loss Lower temperature coefficient



Full-Scenario Resilience

Proven through rigorous resistance tests for salt mist, ammonia corrosion, sand & dust



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)

EN 13501-1 & EN 13501-5(Fire Test)



CEC Listed



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DOUBLE GLASS BIFACIAL 710~735W



ELECTRICAL SPECIFICATIONS

Module Type	UL-710M-132DGN			UL-715M-132DGN			UL-720M-132DGN			UL-725M-132DGN			UL-730M-132DGN			UL-735M-132DGN		
	STC*	NOCT*		STC*	NOCT*		STC*	NOCT*		STC*	NOCT*		STC*	NOCT*		STC*	NOCT*	
Maximum Power(Pmax)	W	710	538	715	542	720	546	725	549	730	553	735	557					
Maximum Power Voltage(Vmp)	V	40.84	37.57	40.99	37.71	41.20	37.90	41.30	38.00	41.40	38.09	41.50	38.18					
Maximum Power Current(Imp)	A	17.38	14.32	17.44	14.37	17.48	14.39	17.55	14.46	17.63	14.52	17.71	14.59					
Open-circuit Voltage(Voc)	V	48.82	44.43	48.93	44.53	48.98	44.57	49.03	44.62	49.13	44.71	49.18	44.75					
Short-circuit Current(Isc)	A	18.40	14.84	18.42	14.86	18.44	14.87	18.50	14.92	18.58	14.99	18.63	15.03					
Module Efficiency STC	%	22.86		23.02		23.18		23.34		23.50		23.66						

*STC:Cell temperature:25°C,Irradiance:1000W/m²,Air mass:1.5G,Power measurement tolerance: ±3%
 *NOCT:Air temperature:20°C,Irradiance:800W/m²,Air mass:1.5G,Wind speed:1m/s

OPERATING PARAMETERS

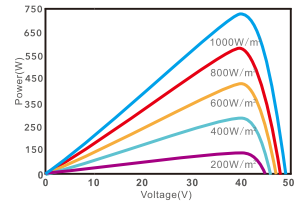
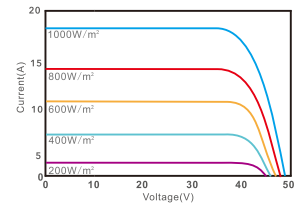
Operating Temperature	-40°C~85°C
Maximum system voltage	DC 1500V(IEC)
Maximum series fuse rating	35A
Nominal operating cell temperature	43±2°C
Power tolerance	0~+5Watt

TEMPERATURE RATINGS

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

I-V CURVE

I-V characteristics at different irradiances (reference to 735 W)



REAR SIDE POWER GAIN(REFERENCE TO 735W FRONT SIDE)

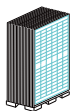
Pmax/W	735	772	809	845	882	919	956
Pmax gain	0%	5%	10%	15%	20%	25%	30%
Voc/V	49.18	49.18	49.18	49.18	49.18	49.18	49.18
Isc/A	18.63	19.56	20.49	21.42	22.36	23.29	24.22
Vmp/V	41.50	41.50	41.50	41.50	41.50	41.50	41.50
Imp/A	17.71	18.60	19.48	20.37	21.25	22.14	23.02

SPECIFICATIONS

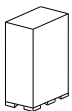
Cell Type	N-type TOPCon Mono Half Cell	
No.of cells	132(6×11×2)	
Dimensions	2384*1303*33mm	
Weight	37.1kg	
Front Glass	2.0mm,Anti-Reflection Coating,High Transmission,Low Iron,Tempered Glass	
Back Glass	2.0mm,High Transmission,Low Iron,Tempered Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	IP68,3 diodes	
Connector	MC4 Compatible or Original:MC4-EVO2A or others	

Cable Length (Including Connector) 4mm²
 Short Cable: (+)400/(-)200mm or Long Cable:(+)1400/(-)1400mm
 or Customized Length

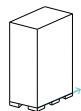
PACKAGING INFORMATION



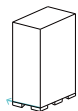
33 Pcs/Pallet



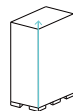
33 Pcs/Stack



Length:1320mm



Width:1130mm



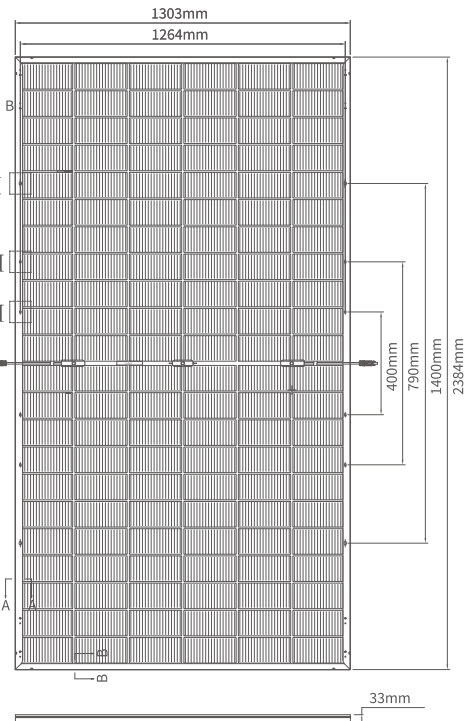
Height:2416mm



Weight:1260kg/Stack



18 Stacks/40'HQ
594pcs/40'HQ



II



I



A-A



B-B

Length:±2mm
Width:±2mm
Height:±1mm
Row Pitch:±2mm



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

Ulica Solar reserves the right of final interpretation.

Version number: UL-2384-132DGNBB-33-EN-V4.1