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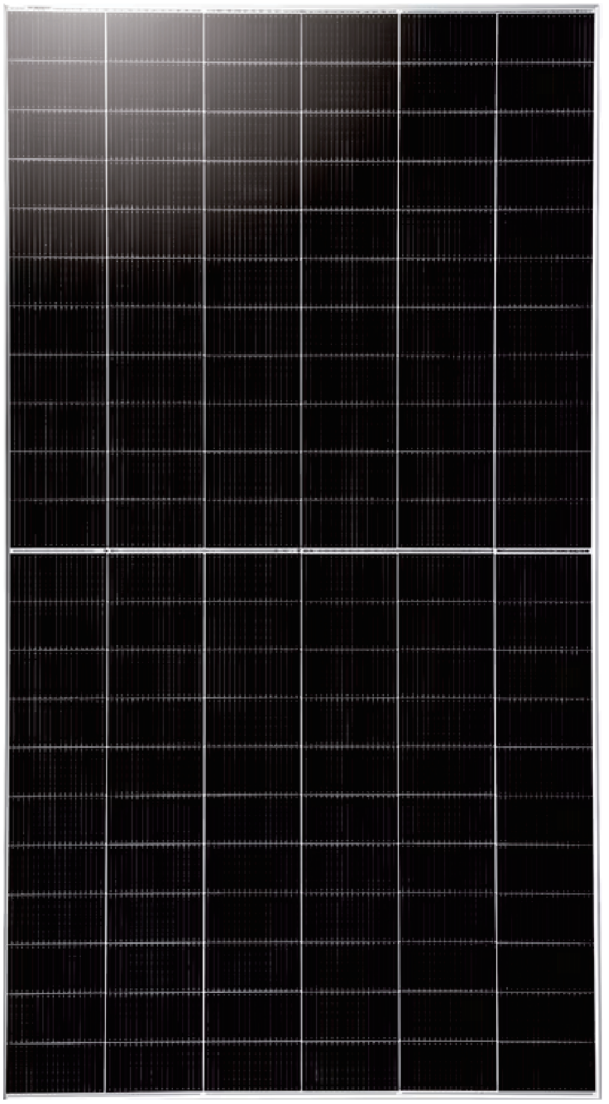
Mountain series

Double Glass BiFacial N-Type TOPCon Solar Module

700~725Watt

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

Bifacial Mono Module

Capable of generating power at back side, 80±5% efficiency of the front side

Outstanding Mechanical load Resistance

2400 Pa wind load, 5400 Pa snow load

Anti-PID(potential induced degradation)

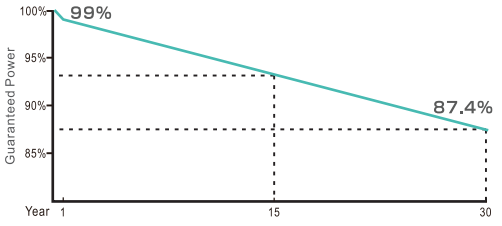
Passed anti-PID test under 85°C damp heat 85% relative humidity for 192 hours

Lower LCOE

Lower shading and resistive loss Lower temperature coefficient

Widely Applied To Various Scenarios

Flexibly applied to roofs, ground surfaces, water surfaces, mountainous areas, and other diverse environments



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 Ia CLASSE DI REAZIONE AL FUOCO: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

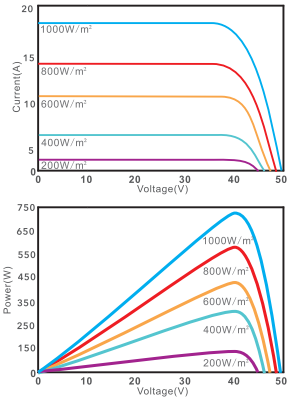
Operating Temperature	-40℃~85℃
Maximum system voltage	DC1500V(IEC)
Maximum series fuse rating	35A
Nominal operating cell temperature	43±2℃
Power tolerance	0~+5Watt

TEMPERATURE RATINGS

Temperature coefficients of Pmax	-0.29%/℃
Temperature coefficients of Voc	-0.25%/℃
Temperature coefficients of Isc	0.046%/℃

I-V CURVE

I-V characteristics at different irradiations (reference to 720 W)

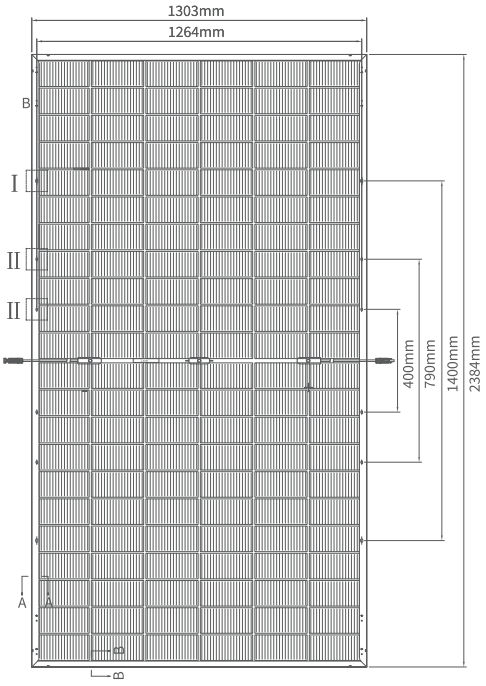


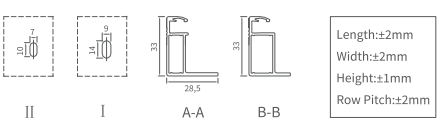
REAR SIDE POWER GAIN(REFERENCE TO 720W FRONT SIDE)

Pmax/W	720	756	792	828	864	900	936
Pmax gain	0%	5%	10%	15%	20%	25%	30%
Voc/V	48.98	48.98	48.98	48.98	48.98	48.98	48.98
Isc/A	18.44	19.36	20.28	21.21	22.13	23.05	23.97
Vmp/V	41.20	41.20	41.20	41.20	41.20	41.20	41.20
Imp/A	17.48	18.35	19.23	20.10	20.98	21.85	22.72

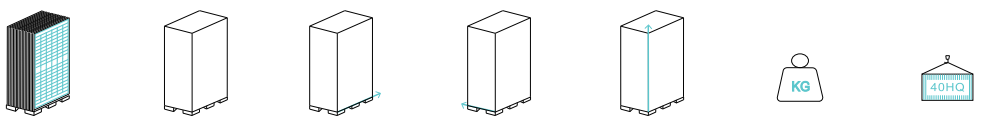
SPECIFICATIONS

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	IP68,3diodes
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 _____





PACKAGING INFORMATION



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

Ulica Solar reserves the right of final interpretation.

Version number: UL-2384-132DGNBB-33-EN-V2.0