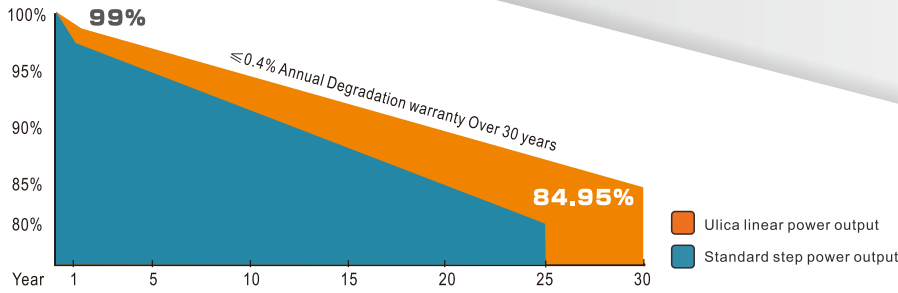
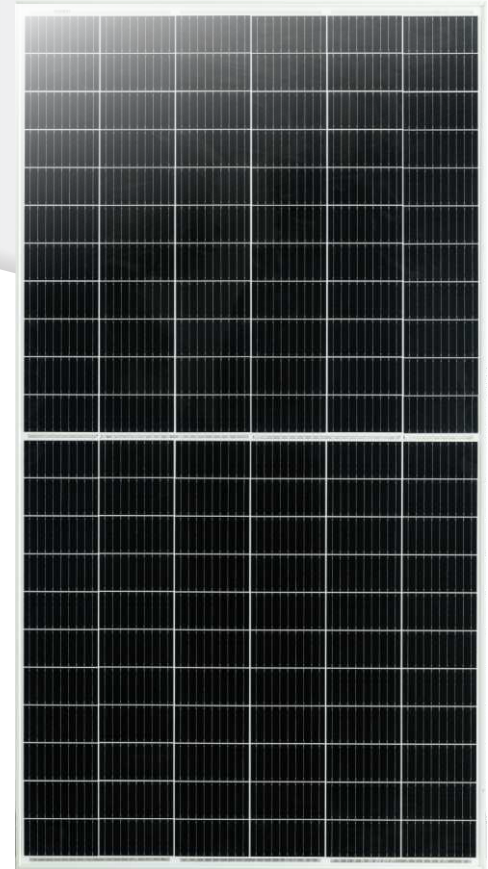


# DOUBLE-GLASS BIFACIAL MODULE

## UL- 655 | 660 | 665 | 670M-132DG



**Bifacial Mono PERC Module**  
Capable of generating power at back side, at least 70% efficiency of the front side



**Improved durability and reliability**  
Double tempered glass increases module robustness and minimize micro-cracks



**Outstanding mechanical load resistance**  
3800 Pa wind load, 5400 Pa snow load



**High performance under low light**  
Works at cloudy, rainy days



**Anti-PID (potential induced degradation)**  
Passed anti-PID test under 85% damp heat, 85% relative humidity for 96 hours



**Great Durability against extreme conditions**  
Passed salt mist corrosion test, ammonia corrosion test dust & sand test, fire test, all certified by TUV

**12** year product warranty

**30** year linear power warranty



CEC Listed



- IEC 61215, IEC 61730
- ISO 9001: 2015 (Quality management systems)
- ISO 14001: 2015 (Environmental management systems)
- ISO 45001: 2018 (Occupational health and safety)
- UNI 9177 la CLASSE DI REAZIONE AL FUOCO: 1

Add: No. 238 Yunlin Middle Road, Wangchun Industrial District, Ningbo, China

Tel: +86-574-28828939 | Fax: +86-574-28828997 | Email: sales@ulsolar.com.cn | Web: www.ulicasolar.com

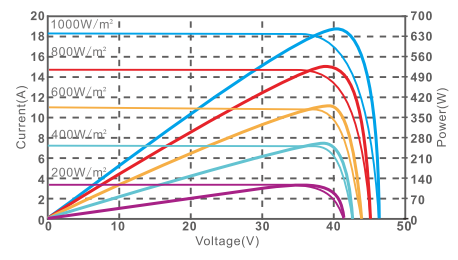
# mono 655~670Watt



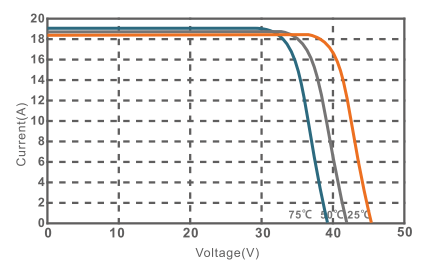
## ELECTRICAL SPECIFICATIONS I-V CURVE[665W]

Module Type	UL-655M-132DG		UL-660M-132DG		UL-665M-132DG		UL-670M-132DG	
	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*
Maximum Power (Pmax)	W 655	496	660	500	665	504	670	508
Maximum Power Voltage (Vmp)	V 38.10	35.05	38.20	35.14	38.30	35.24	38.40	35.33
Maximum Power Current (Imp)	A 17.19	14.16	17.28	14.23	17.36	14.30	17.45	14.37
Open-circuit Voltage (Voc)	V 45.60	41.50	45.70	41.59	45.80	41.68	45.80	41.77
Short-circuit Current (Isc)	A 18.35	14.80	18.44	14.87	18.53	14.95	18.62	15.02
Module Efficiency STC	% 21.09		21.25		21.41		21.57	
Operating Temperature	-40°C~85°C							
Maximum system voltage	DC1500V(IEC)							
Maximum series fuse rating	35A							
Power tolerance	0~+5Watt							
Temperature coefficients of Pmax	-0.34%/°C							
Temperature coefficients of Voc	-0.265%/°C							
Temperature coefficients of Isc	0.049%/°C							
Nominal operating cell temperature (NOCT)	43±2°C							

I-V characteristics at different irradiances



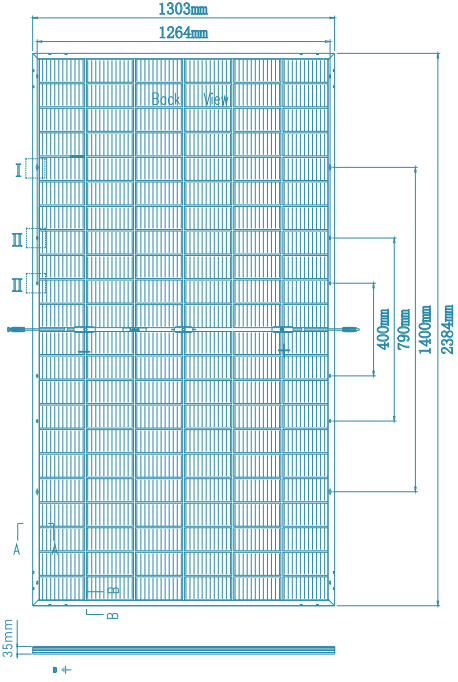
I-V characteristics at different temperature



\*STC : Cell temperature: 25°C, Irradiance: 1000 W/m², Air mass: 1.5G  
 \*NOCT : Air temperature: 20°C, Irradiance: 800 W/m², Air mass: 1.5G, Wind speed: 1 m/s

## SPECIFICATIONS

Cell Type	Mono-crystalline
No. of cells	132(6×11×2)
Dimensions	2384*1303*35mm
Weight	37.9kg
Glass	2.0mm+2.0mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Cable Length (including Connector)	4m <sup>2</sup> Portrait:(+)400/(-)200mm Landscape:(+)1400/(-)1400mm
Packaging Configuration	31pcs/Pallet, 558pcs/40HQ Container



## Electrical characteristics with different rear side power gain (reference to 665 W front)

Pmax/W	Voc/V	Isc/A	Vmp/V	Imp/A	Pmax gain
665	45.80	18.53	38.30	17.36	0
698	45.80	19.46	38.30	18.23	5%
732	45.80	20.38	38.30	19.10	10%
765	45.80	21.31	38.30	19.97	15%
798	45.80	22.24	38.30	20.84	20%
831	45.80	23.16	38.30	21.70	25%
865	45.80	24.09	38.30	22.57	30%

