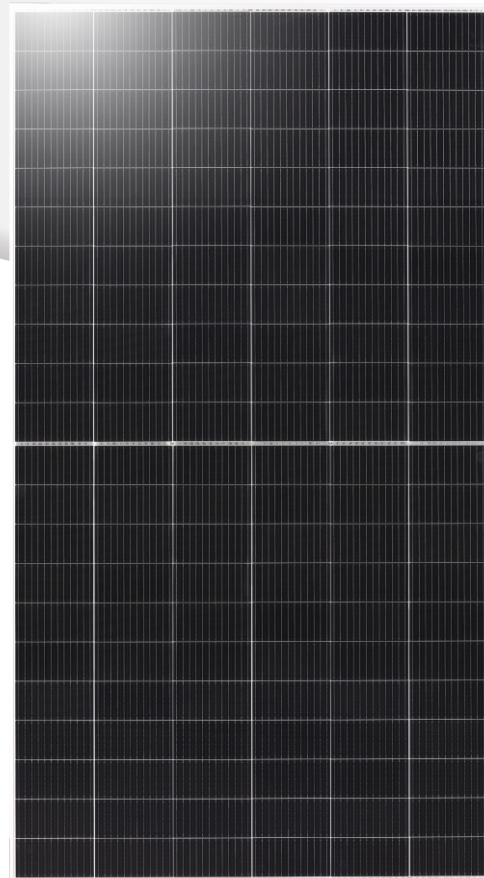
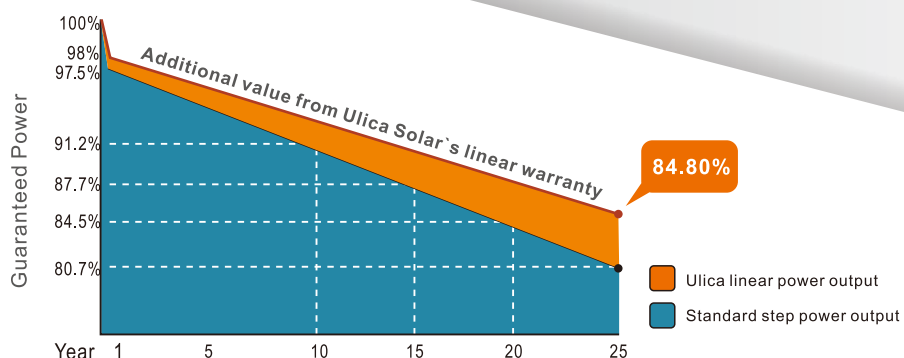


MONO HALF-CUT MODULE

UL- 660 | 665 | 670M-132HV



Anti-PID(potential induced degradation)
Passed anti-PID test under 85°C 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 TÜV



Lower LCOE
Lower shading and resistive loss
Lower temperature coefficient



Outstanding mechanical load resistance
2400 Pa wind load, 5400 Pa snow load

12 year product warranty

25 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



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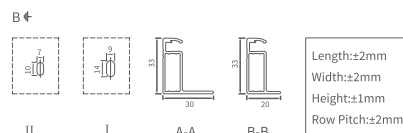
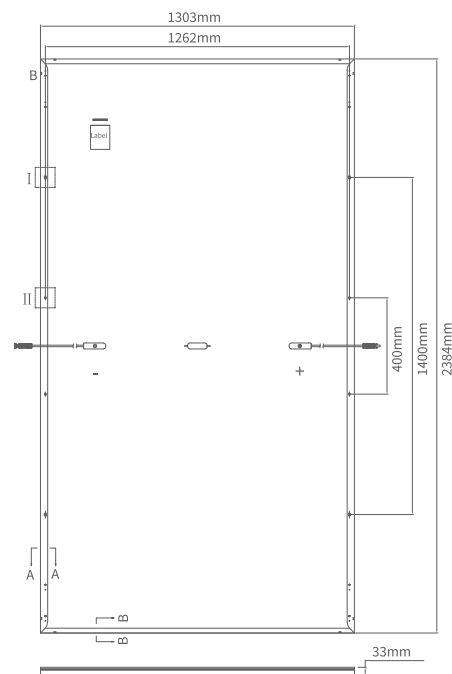
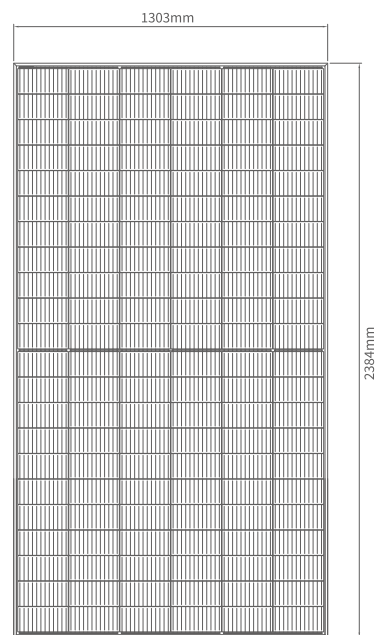
mono 660~670Watt

ELECTRICAL SPECIFICATIONS

Module Type		UL-660M-132HV		UL-665M-132HV		UL-670M-132HV	
		STC* NOCT*		STC* NOCT*		STC* NOCT*	
Maximum Power (Pmax)	W	660	494	665	498	670	502
Maximum Power Voltage (Vmp)	V	38.20	35.14	38.30	35.24	38.40	35.33
Maximum Power Current (Imp)	A	17.28	14.06	17.36	14.13	17.45	14.20
Open-circuit Voltage (Voc)	V	45.70	41.59	45.80	41.68	45.90	41.77
Short-circuit Current (Isc)	A	18.44	14.88	18.53	14.95	18.62	15.03
Module Efficiency STC	%	21.25		21.41		21.57	
Operating Temperature				-40°C~85°C			
Maximum system voltage				DC1500V(IEC)			
Maximum series fuse rating				30A			
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			

*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

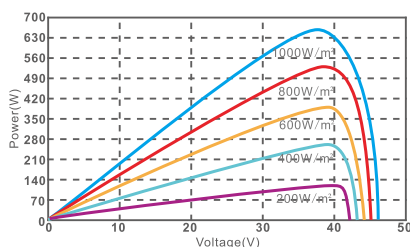
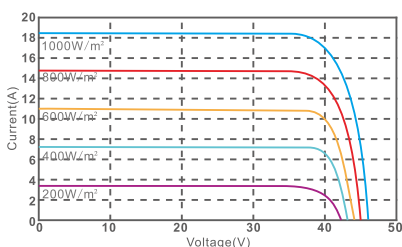


SPECIFICATIONS

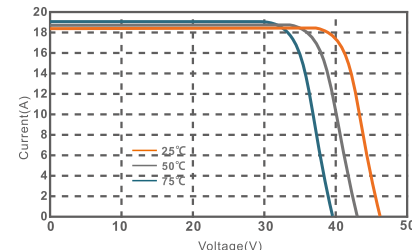
Cell Type	Mono-crystalline	
No. of cells	132(6×11×2)	
Dimensions	2384*1303*33mm	
Weight	33.3kg	
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass	
Junction Box	IP68, 3 diodes	
Connector	MC4 Compatible	
Cable Length (Including Connector)	4mm² Landscape: (+)1400mm/(-)1400mm or Customized Length	
Packaging Configuration	33pcs/Pallet, 594pcs/40HQ Container	

I-V CURVE

I-V characteristics at different irradiances (reference to 660 W)



I-V characteristics at different temperature



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

Ulica Solar reserves the right of final interpretation.

Version No.: UL-2384-132HVBBC-33-EN-V1.0