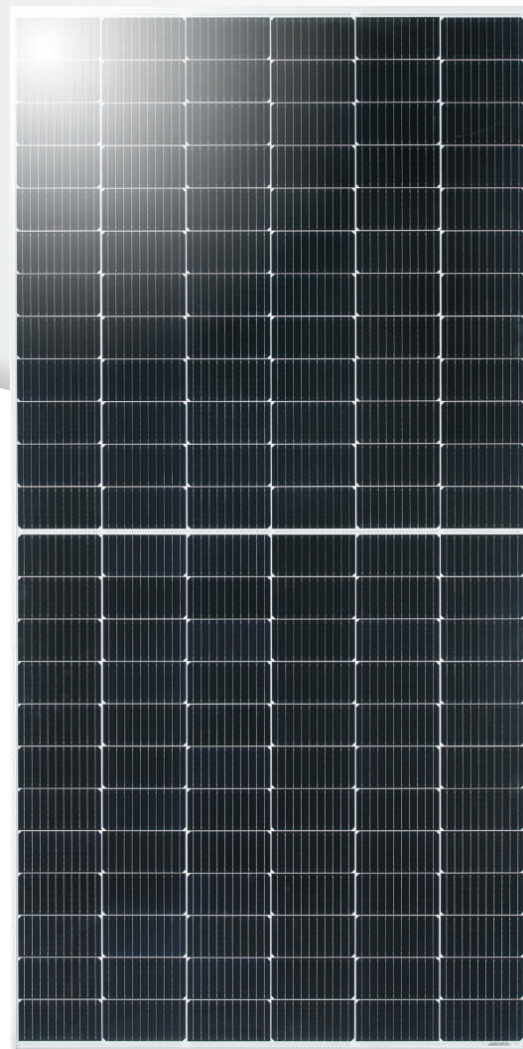
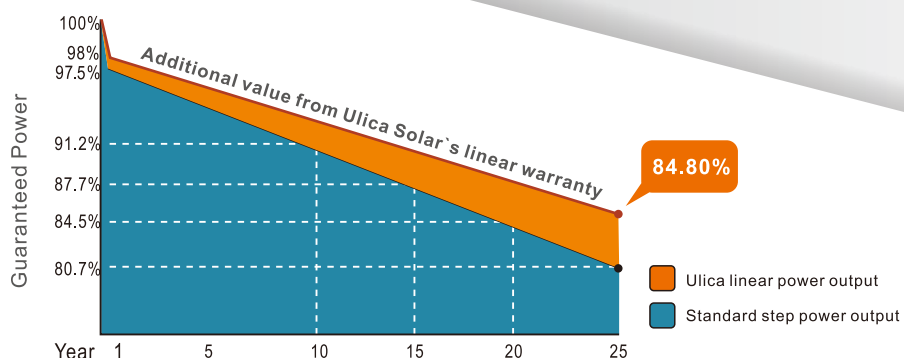


MONO HALF-CUT MODULE

(Transparent Back Sheet
Bifacial Power Generation Module)

UL-545~555M-144HV



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 TUV



Lower LCOE

Lower shading and resistive loss
Lower temperature coefficient



Outstanding mechanical load resistance

2400 Pa wind load, 5400 Pa snow load



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 545~555Watt

ELECTRICAL SPECIFICATIONS

Module Type		UL-545M-144HV		UL-550M-144HV		UL-555M-144HV	
		STC* NOCT*		STC* NOCT*		STC* NOCT*	
Maximum Power (Pmax)	W	545	408	550	412	555	416
Maximum Power Voltage (Vmp)	V	41.80	38.46	41.90	38.55	42.00	38.64
Maximum Power Current (Imp)	A	13.04	10.61	13.13	10.68	13.21	10.76
Open-circuit Voltage (Voc)	V	49.90	45.41	50.00	45.50	50.10	45.59
Short-circuit Current (Isc)	A	13.65	11.02	13.75	11.10	13.83	11.16
Module Efficiency STC	%	21.09		21.28		21.48	
Operating Temperature				-40℃~85℃			
Maximum system voltage				DC1500V(IEC)			
Maximum series fuse rating				25A			
Power tolerance				0~+5Watt			
Temperature coefficients of Pmax				-0.34%/℃			
Temperature coefficients of Voc				-0.265%/℃			
Temperature coefficients of Isc				0.049%/℃			
Nominal operating cell temperature (NOCT)				43±2℃			

*STC : Cell temperature: 25°C, Irradiance: 1000 W/m², Air mass: 1.5G

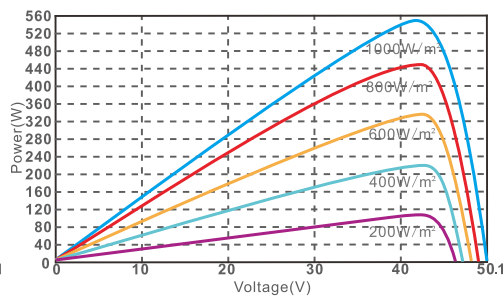
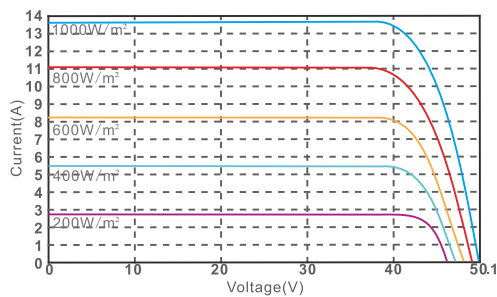
*NOCT : Air temperature: 20°C, Irradiance: 800 W/m², Air mass: 1.5G, Wind speed: 1 m/s

SPECIFICATIONS

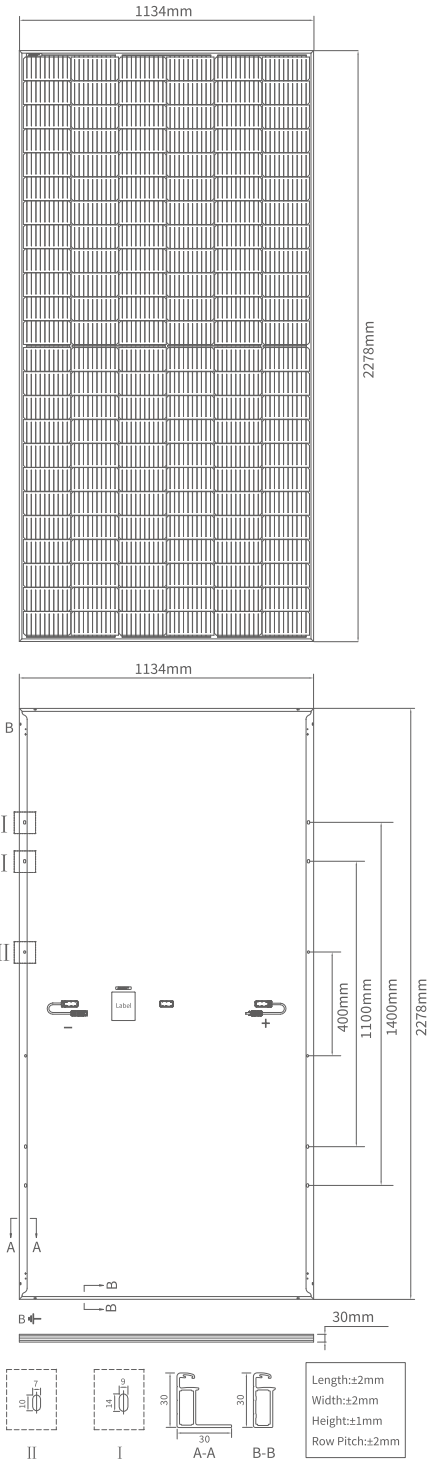
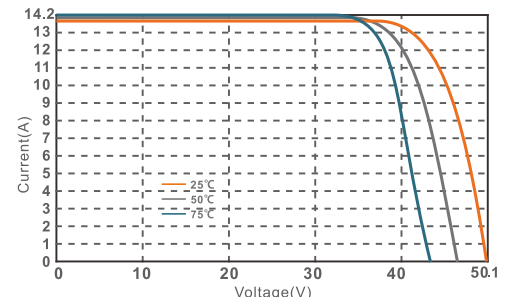
Cell Type	Mono-crystalline
No. of cells	144(6×12×2)
Dimensions	2278*1134*30mm
Weight	27.5kg
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Junction Box	IP68, 3 diodes
Connector	MC4 Compatible
Cable Length (Including Connector)	4mm² Landscape: (+)1200mm/(-)1200mm or Customized Length
Packaging Configuration	Two Box=One Pallet 36pcs/Box, 72pcs/Pallet, 720pcs/40HQ Container

I-V CURVE

I-V characteristics at different irradiances (reference to 555 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-2278-144HVBBC-30B1F1-ENWF-C1.0