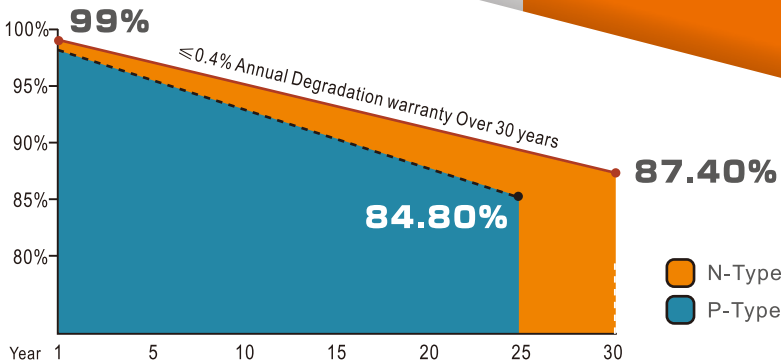


MONO-FACIAL MODULE N-TYPE 610~625 Watt



TOPCON



Cutting Free Technology
Minimized micro-crack



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



Higher Power Output
Lower shading and resistive loss



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



15-year product warranty

30-year linear power output



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 Ia CLASSE DI REAZIONE AL FUOCO:1

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TOPCON (N TYPE) 610~625Watt

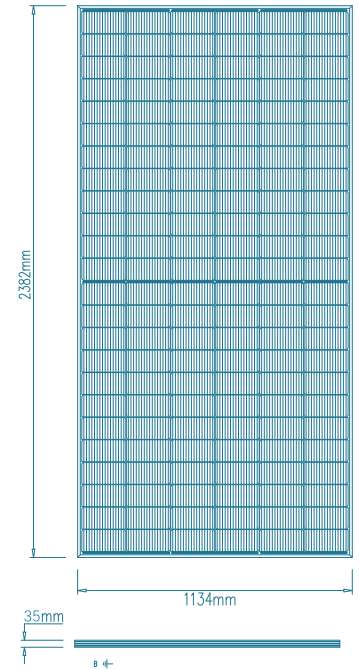


ELECTRICAL SPECIFICATIONS

Module Type	UL-610M-144CHVN		UL-615M-144CHVN		UL-620M-144CHVN		UL-625M-144CHVN		
	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*	
Maximum Power (Pmax)	W	610	462	615	466	620	470	625	474
Maximum Power Voltage (Vmp)	V	44.42	40.9	44.62	41.1	44.82	41.2	44.89	41.30
Maximum Power Current (Imp)	A	13.73	11.31	13.78	11.35	13.83	11.39	13.92	11.47
Open-circuit Voltage (Voc)	V	52.42	47.7	52.62	47.9	52.82	48.1	52.92	48.20
Short-circuit Current (Isc)	A	14.65	11.82	14.70	11.86	14.80	11.94	14.82	11.95
Module Efficiency STC	%	22.58		22.77		22.95		23.14	
Operating Temperature	-40°C~85°C								
Maximum system voltage	DC1500V(IEC)								
Maximum series fuse rating	30A								
Power tolerance	0~+5 Watt								
Temperature coefficients of Pmax	-0.29%/°C								
Temperature coefficients of Voc	-0.250%/°C								
Temperature coefficients of Isc	0.046%/°C								
Nominal operating cell temperature (NOCT)	43±2°C								

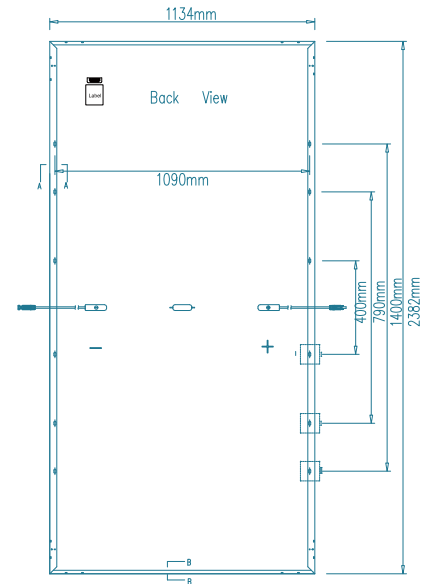
*STC : Cell temperature: 25°C, Irradiance: 1000 W/m², Air mass: 1.5G

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



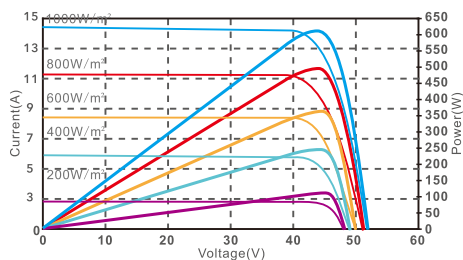
SPECIFICATIONS

Cell Type	N type Mono-crystalline
No. of cells	144 (6×12×2)
Dimensions	2382*1134*35mm
Weight	28.5kg
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 Portrait: (+)400 mm/(-) 200mm Landscape: (+) 1400mm/(-)1400 mm
Packaging Configuration	Two Box=One Pallet 31pcs/Box, 62pcs/Pallet, 620pcs/40HQ Container

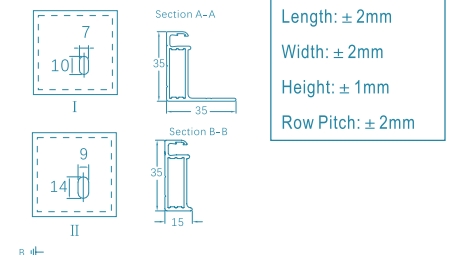
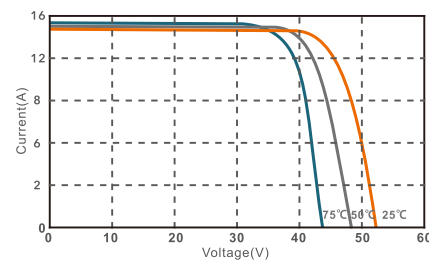


I-V CURVE [615W]

I-V characteristics at different irradiances



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.

