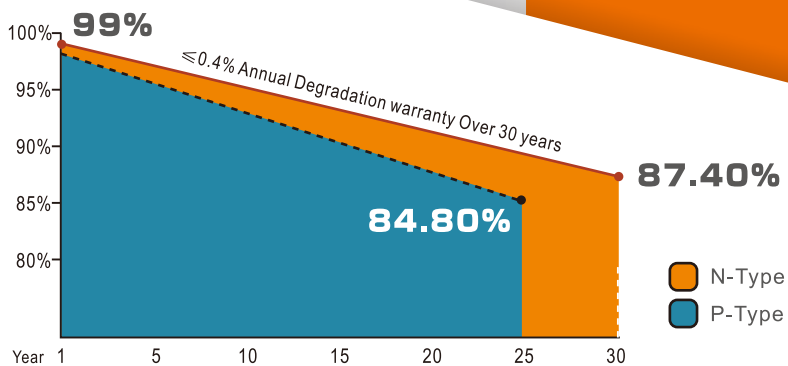


MONO-FACIAL MODULE N-TYPE 605~620 Watt



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 15-year product warranty
30 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 la CLASSE DI REAZIONE AL FUOCO: 1

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

Tel: +86-574-28828939

Email: sales@ulsolar.com.cn

Fax: +86-574-28828997

Web: www.ulicasolar.com



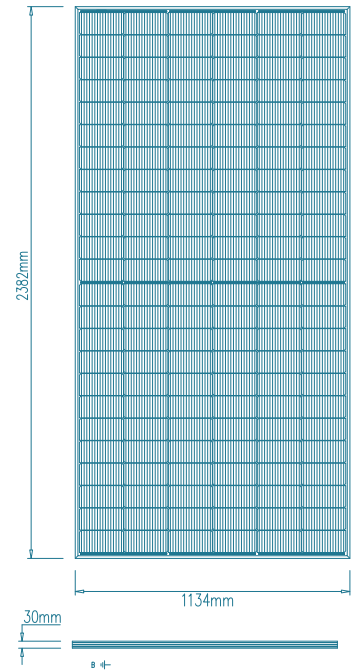
TOPCON(N TYPE) 605~620Watt



ELECTRICAL SPECIFICATIONS

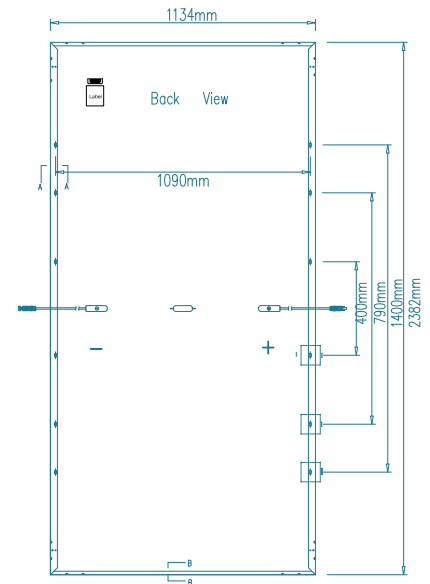
Module Type	UL-605M-144CHVN		UL-610M-144CHVN		UL-615M-144CHVN		UL-620M-14C4HVN		
	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*	
Maximum Power (Pmax)	W	605	458	610	462	615	466	620	470
Maximum Power Voltage (Vmp)	V	44.22	40.7	44.42	40.9	44.62	41.1	44.82	41.2
Maximum Power Current (Imp)	A	13.68	11.27	13.73	11.31	13.78	11.35	13.83	11.39
Open-circuit Voltage (Voc)	V	52.22	47.5	52.42	47.7	52.62	47.9	52.82	48.1
Short-circuit Current (Isc)	A	14.60	11.78	14.65	11.82	14.70	11.86	14.80	11.94
Module Efficiency STC	%	22.40		22.58		22.77		22.95	
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



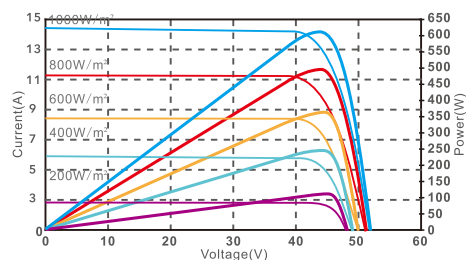
SPECIFICATIONS

Cell Type	182.2×95.8mm N type Mono-crystalline
No. of cells	144 (6×12×2)
Dimensions	2382*1134*30mm
Weight	28.6kg
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 36pcs/Box, 72pcs/Pallet, 720pcs/40HQ Container



I-V CURVE [615W]

I-V characteristics at different irradiances



I-V characteristics at different temperature

