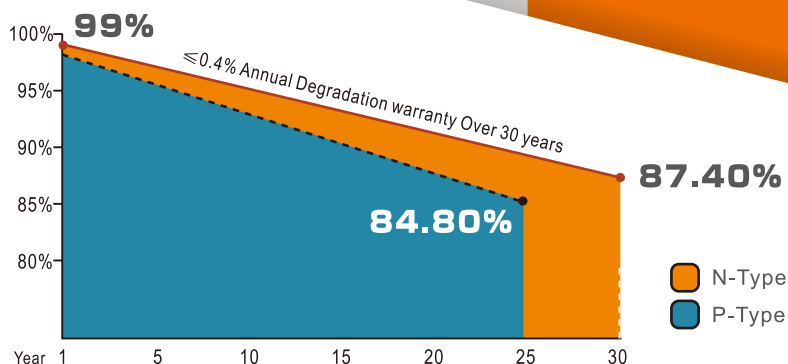


MONO-FACIAL MODULE N-TYPE 465~475 Watt



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



25-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 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

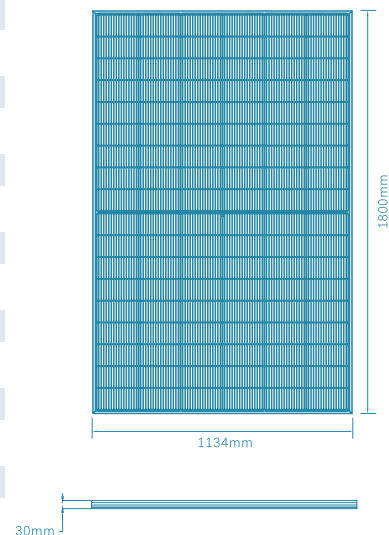


TOPCON(N TYPE) 465~475Watt

ELECTRICAL SPECIFICATIONS

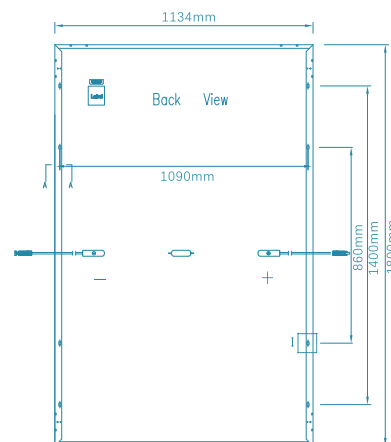
Module Type		UL-465M-108CHVN	UL-470M-108CHVN	UL-475M-108CHVN
		STC*	STC*	STC*
Maximum Power (Pmax)	W	465	470	470
Maximum Power Voltage (Vmp)	V	33.42	33.62	33.82
Maximum Power Current (Imp)	A	13.91	13.98	14.04
Open-circuit Voltage (Voc)	V	39.98	40.18	40.38
Short-circuit Current (Isc)	A	14.64	14.71	14.90
Module Efficiency STC	%	22.78	23.03	23.27
Operating Temperature		-40°C~85°C		
Maximum system voltage		DC1500V(IEC)		
Maximum series fuse rating		25A		
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



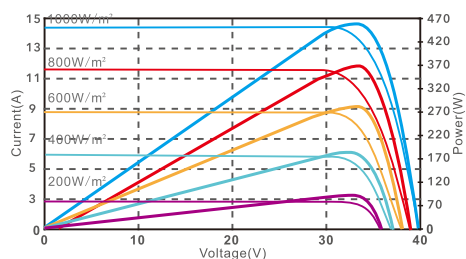
SPECIFICATIONS

Cell Type	182.2×95.8mm N type Mono-crystalline
No. of cells	108 (6×9×2)
Dimensions	1800*1134*30mm
Weight	22.5Kg
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: (+) 1100mm/(-)1100 mm
Packaging Configuration	Two Box=One pallet 36pcs/Box, 72pcs/Pallet, 864pcs/40HQ Container



I-V CURVE[465W]

I-V characteristics at different irradiances



I-V characteristics at different temperature

