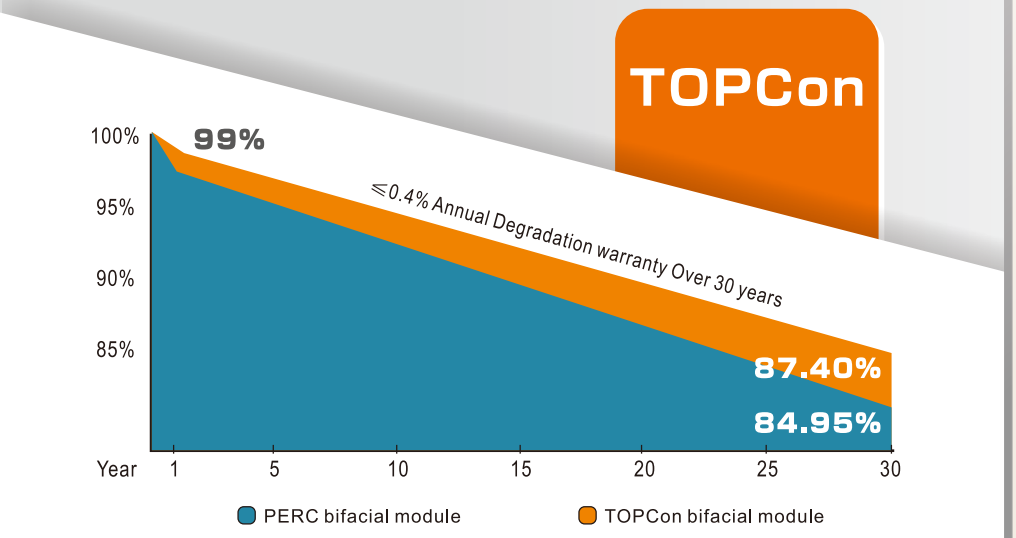
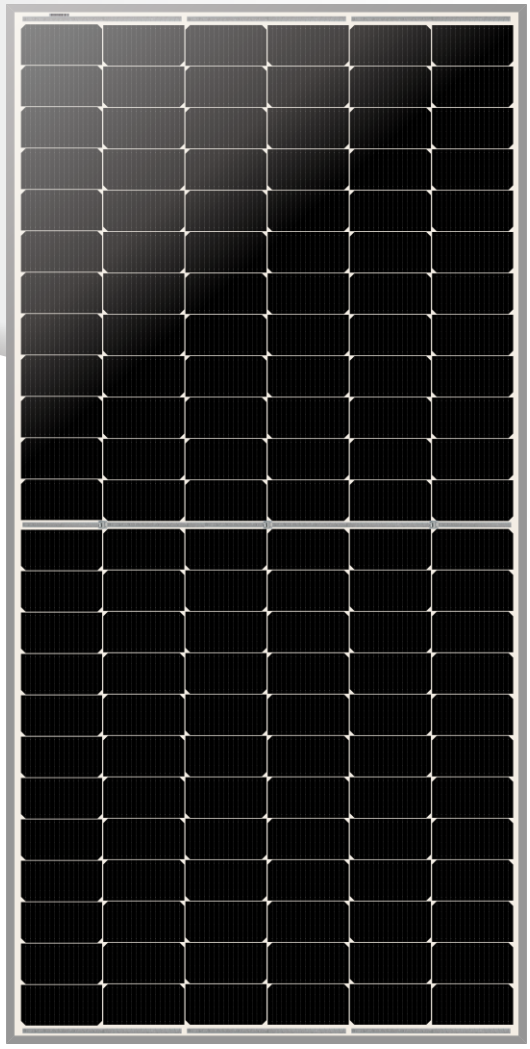
DOUBLE-GLASS BIFACIAL N-TYPE 580~595Watt

ulica solar
LEADING IN TECHNOLOGY





Bifacial Mono Module
Capable of generating power at back side,at least 80% efficiency of the front side

PID FREE

Anti-PID(potentialinduced degradation)
Passed anti-PID test under 85% damp heat 85% relative humidity for 192 hours

TÜV

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

15
30

15-year product warranty

30-year linear power output

CE TÜV SÜD WEEE SOLAR PV cec MCS CERTIFIED CEC Listed IAPI INMETRO

IEC 61215, IEC 61730
ISO 9001: 2015(Quality management systems)
ISO 14001: 2015 (Environmental management systems)
ISO45001: 2018 (Occupational health and safety)
UNI 9177 Ia 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)580~595Watt

ELECTRICAL SPECIFICATIONS

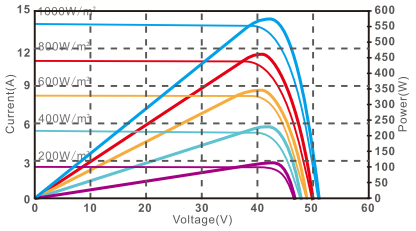
Module Type		UL-580M-144ADGN		UL-585M-144ADGN		UL-590M-144ADGN		UL-595M-144ADGN	
		STC*	NOCT*	STC*	NOCT*	STC*	NOCT*	STC*	NOCT*
Maximum Power (Pmax)	W	580	440	585	443	590	447	595	451
Maximum Power Voltage (Vmp)	V	44.02	40.50	44.17	40.64	44.35	40.80	44.55	40.99
Maximum Power Current (Imp)	A	13.18	10.85	13.24	10.91	13.30	10.96	14.36	11.00
Open-circuit Voltage (Voc)	V	52.52	47.79	52.72	47.98	52.82	48.07	52.92	48.16
Short-circuit Current (Isc)	A	13.95	11.25	14.01	11.30	14.02	11.31	14.06	11.34
Module Efficiency STC	%	22.45		22.65		22.84		23.03	
Operating Temperature	-40°C~85°C								
Maximum system voltage	DC1500V(IEC)								
Maximum series fuse rating	30A								
Power tolerance	0~+5Watt								
Temperature coefficients of Pmax	-0.29%/°C								
Temperature coefficients of Voc	-0.25%/°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

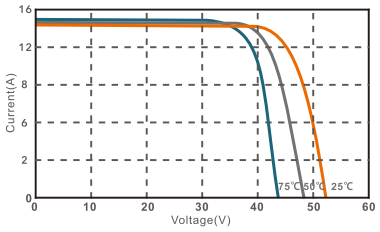
*NOCT : Air temperature: 20°C, Irradiance: 800 W/m², Air mass: 1.5G, Wind speed: 1 m/s

I-V CURVE[575W]

I-V characteristics at different irradiations

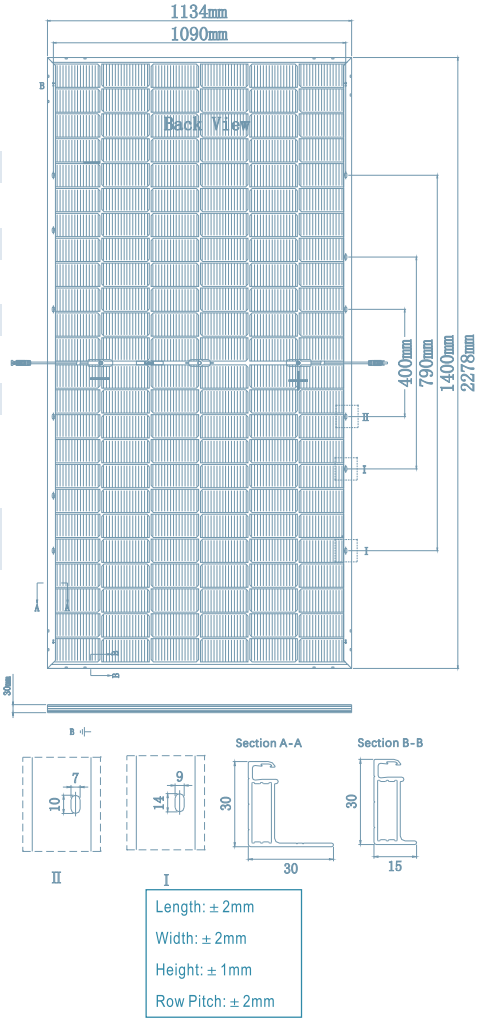


I-V characteristics at different temperature



SPECIFICATIONS

Cell Type	N type Mono-crystalline
No. of cells	144(6×12×2)
Dimensions	2278*1134*30mm
Weight	30.6kg
Glass	2.0mm+2.0mm,Anti-Reflection Coating,High Transmission,Low Iron,Tempered Glass
Junction Box	IP68,3diodes
Connector	MC4 Compatible
Cable Length (including Connector)	4mm² Portrait:(+)400/(-)200mm Landscape:(+)1400/(-)1400mm
Packaging Configuration	Two Box=One Pallet 36pcs/Box,72pcs/Pallet,720pcs/40HQ Container



Electrical characteristics with different rear side power gain(reference to 580 W front)

Pmax/W	Voc/V	Isc/A	Vmp/V	Imp/A	Pmax gain
580	52.52	13.95	44.02	13.18	0
609	52.52	14.65	44.02	13.83	5%
638	52.52	15.35	44.02	14.49	10%
667	52.52	16.04	44.02	15.15	15%
696	52.52	16.74	44.02	15.81	20%
725	52.52	17.44	44.02	16.47	25%
754	52.52	18.14	44.02	17.13	30%

Specifications included in this datasheet are subject to change without notice.
Ulica Solar reserves the right of final interpretation.