



SUNCORE SOLAR
Power Your Life

Tier1

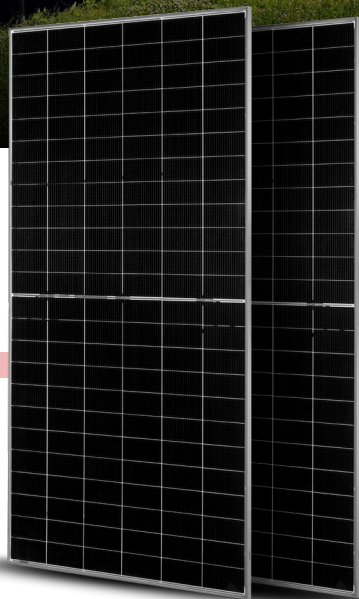
BloombergNEF

TOPCon BIFACIAL 600-615W

High efficiency bifacial modules

Module efficiency

22.75%



WITHSTAND STRONG

PID

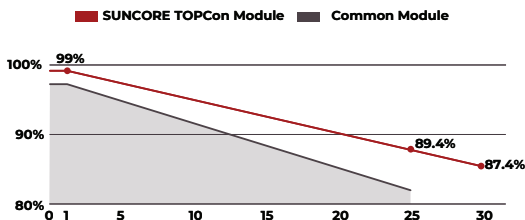
PID RESISTANCE



N TYPE TOPCON TECHNOLOGY



HIGH EFFICIENCY



WARRANTY

Quality Guarantee **25** years

Power Warranty **30** years

CERTIFICATE



Model of modules	TOPCON-N144RL10		TOPCON-N144RL10		TOPCON-N144RL10		TOPCON-N144RL10	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Power (Pmax/W)	600	452.40	605	456.40	610	460.50	615	464.6
Maximu power current (Vmp)	43.74	40.60	43.94	40.70	44.14	41.00	44.35	41.20
Maximu power current (Imp)	13.72	11.15	13.77	11.20	13.82	11.24	13.87	11.28
Open circuit voltage (Voc)	51.54	48.60	51.74	48.80	51.94	49.10	52.15	49.30
Short circuitcurrent (Isc)	14.60	11.76	14.66	11.81	14.71	11.85	14.76	11.89
Module efficiency	22.19%		22.38%		22.56%		22.75%	

STC (Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m², Cells Temperature25°C)

NMOT (Irradiance 800W/m², Ambient Temperature 20°C,AM1.5,Wind Speed 1m/s)

ELECTRICAL CHARACTERISTICS WITH 15% REAR SIDE POWER GAIN

Front power Pmax/W	690.00	695.75	701.50	707.25
Maximu power voltage (Vmp)	43.74	43.94	44.14	44.35
Maximu power current (Imp)	15.78	15.83	15.89	15.95
Open circuit voltage (Voc)	51.54	51.74	51.94	52.15
Short circuitcurrent (Isc)	16.79	16.86	16.92	16.97

STRUCTURAL CHARACTERISTICS

Module size (L*W*H)	2382x1134x30mm
Weight	32.4kg
Cell	144 cells,N type Mono-Crystalline , 182.2mm×95.8mm
Front glass	2.0mm , Anti-Reflection Coating
Back glass	2.0mm , Heat Strengthened Glass
Frame	Anodized aluminum alloy
Junction box	IP68 , 3 bypass diodes
Output wire	4mm²
Wire length	Line length 1300mm/customized
Connector	MC4 Compatible
Packing Specification	36 pcs/Pallet ; 720 pcs/40' HQ

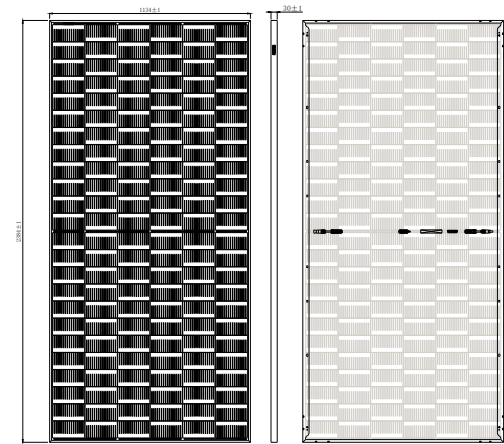
OPERATING PARAMETERS

Power tolerance (W)	(0~+5W)
Maximum system voltage (V)	1500V
Maximum rated fuse current (A)	30A
Current operating temperature (C)	-40~+85°C
Mechanical load	+5400Pa/-2400Pa

TEMPERATURE CHARACTERISTICS

Temp. Coeff. of Isc (TK Isc)	0.046% / °C
Temp. Coeff. of Voc (TK Voc)	-0.25% / °C
Temp. Coeff. of Pmax (TK Pmax)	-0.30% / °C
Normal Operting Cell Temperature	45±2°C

MODULE DIMENSIONS(MM)



I-V CHARACTERISTICS AT DIFFERENT IRRADIATION

