

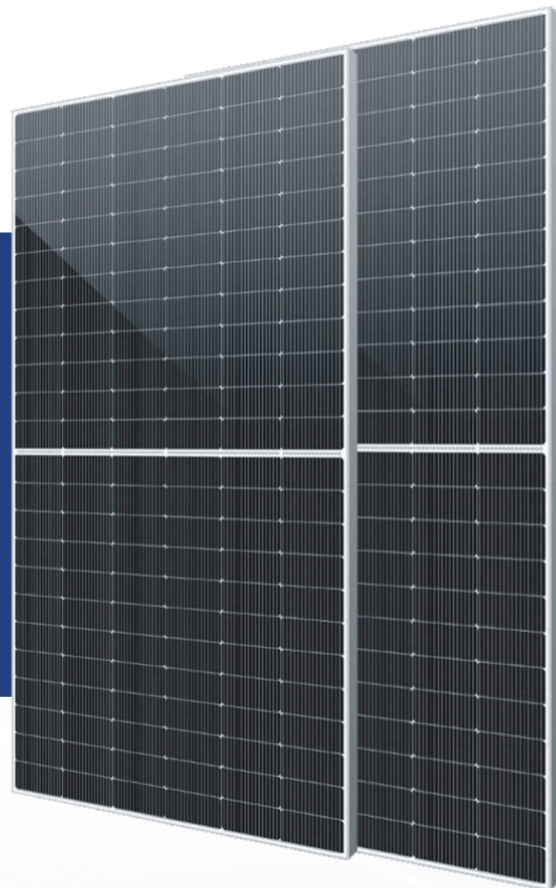
# TRIEX.

powered by Trisun Energies

## TE-585-N144M10 182 TOPCon BIFACIAL

### 585W

High efficiency bifacial modules



## KEY FEATURES



Anti-Reflective  
Coating Glass



IP68 Rated  
Junction Box



Wide Operating Range  
-40°C to +85°C



Fire Class A  
Safety Compliance



PID  
Resistance



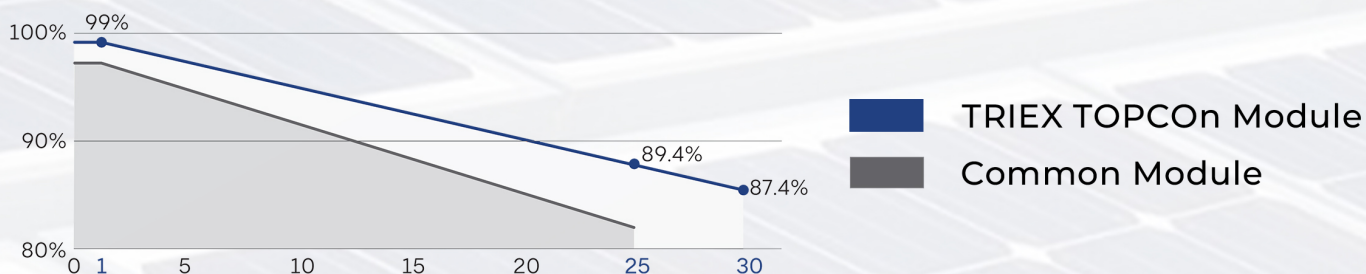
22.83% Efficiency  
N-Type TOPCon Tech



Product  
Warranty



Linear Power  
Warranty



## CERTIFICATE



Ariel Green



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UAN: 0311 145 7777

# TOPCon BIFACIAL 585W TECHNICAL PARAMETERS

ELECTRIC CHARACTERISTICS		
Model of module	TE-585-N144M10	
	<b>STC</b>	<b>NMOT</b>
Power (Pmax/W)	585	437.30
Maximum power voltage (Vmp)	42.72	39.90
Maximum power current (Imp)	13.7	10.96
Open circuit voltage (Voc)	51.58	48.30
Short circuit current (Isc)	14.41	11.61
Module efficiency	22.64%	
STC (Electrical parameters at standard test conditions (STC:AM=1.5, 1000W/m <sup>2</sup> , Cells Temperature 25°C)		
NMOT (Irradiance 800W/m <sup>2</sup> , Ambient Temperature 20°C, AM1.5, Wind Speed 1m/s)		
ELECTRICAL CHARACTERISTICS WITH 15% REAR SIDE POWER GAIN		
Front power Pmax/W	672.75	
Maximum power voltage (Vmp)	42.72	
Maximum power current (Imp)	15.75	
Open circuit voltage (Voc)	51.58	
Short circuit current (Isc)	16.57	
STRUCTURAL CHARACTERISTICS		
Module size (L*W*H)	2278x1134x30mm	
Weight	31kg	
Cell	144 cells, N type Mono-Crystalline, 182mm×91mm	
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	4mm <sup>2</sup>	
Wire length	Line length 1300mm/customized	
Connector	MC4 Compatible	
Packing Specification	37 pcs/Pallet; 740 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 Operating Cell Temperature	45±2°C	



**TRIEX.**  
powered by Trisun Energies

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\*The above parameters are for reference only, and the actual parameters of the factory shall prevail