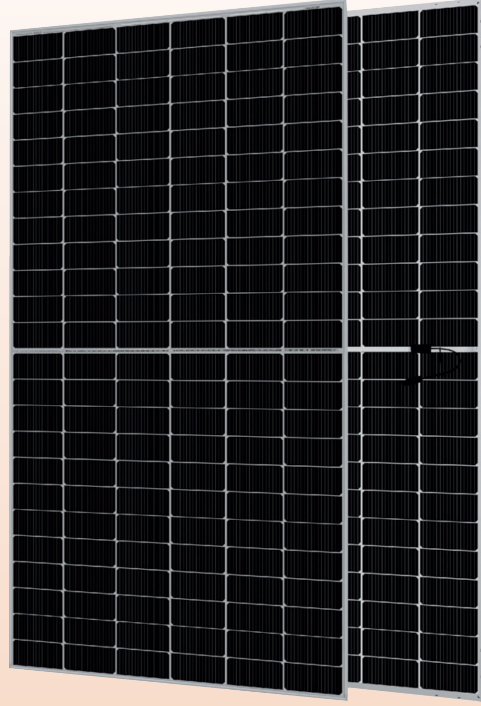


TOPCON SERIES

ELT72TC16
ELT72TC16 144-cell

580-600W
16 BB Half-Cut N Type



Management System Certificates

ISO 9001:2015 Quality Management System

ISO 14001:2015 Environmental Management System

ISO 45001:2018 Occupational Health and Safety Management System

Product Certificates

IEC Sertifikaları: IEC 61215 / IEC 61730

IEC 62804 PID



Performance Guarantees

15 Years
Product Warranty

30 Years
Performance Guarantee



Half cut cell technology can reduce internal power loss and improve component overall strength. Excellent heat dissipation prevents hot spot generation.



Certified to withstand extreme wind (**2400 Pa**) and snow loads (**5400 Pa**).

3EL

High performance glass-glass structure resistant to micro cracks increases reliability, triple hand test has been carried out for high quality control.



A high precision solar simulator was used.

TopCon

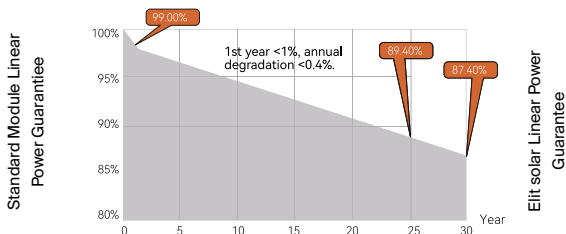
N-TopCon solar cells contain more electrons than regular silicon. TopCon is made of special type silicon wafer giving N type. While cells perform better at higher temperatures they show less deterioration over time.



It is designed for high voltage systems up to 1500 VDC. Increases the array length of solar energy systems and saves BOS costs

PID

PID Resistance



ELT72TC16

1000 - 1500V module

580W / 585W / 590W / 595W / 600W

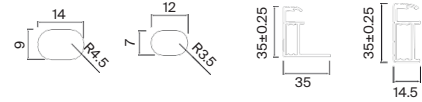
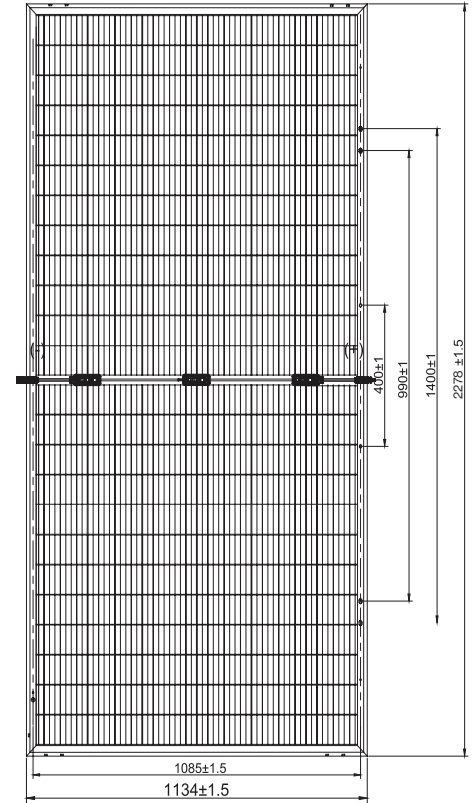
Mechanical Properties

Cell Size	Monocrystalline Silicon 16 Busbar 182x91 mm
Number of Cells	144 (6x24)
Panel Size	2278mm x 1134mm x 35mm
Weight	31 kg $\pm$ 1 kg
Glass-Glass	Front / Back 2 mm high-transmittance, low-iron tempered glass.
Frame	Anodized Aluminium Alloy
Connecion Box	IP68
Cable	4MM ² (UL/IEC) length: (+) 1300mm (-) 1350mm & $\pm$ 400mm
Connector	MC4 EVO2
Packaging Information	31 Pieces/Pallet, 682 Pieces 40'HQ Container

*Cable Length could be resize according to request

Thermal Characteristics

Pmax Temperature Coefficient	γ (Pm)	-0.29%/°C
Voc Temperature Coefficient	β (Voc)	-0.25%/°C
Isc Temperature Coefficient	α (Isc)	+0.045%/°C



Electrical Properties

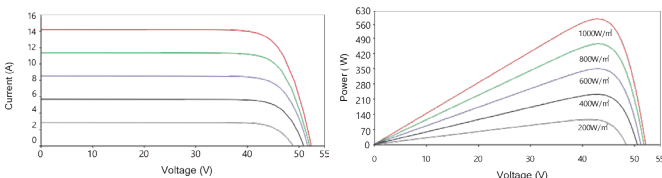
Module	ELT72-TC16	ELT72-TC16	ELT72-TC16	ELT72-TC16	ELT72-TC16
Max Power (Pmax)	580 W	585 W	590 W	595 W	600 W
Open Circuit Voltage (Voc)	52.50 V	52.70 V	52.90 V	53.10 V	53.30 V
Short Circuit Current (Isc)	13.95 A	14.01 A	14.07 A	14.13 A	14.19 A
Maximum Power Point Voltage (VmP)	43.88 V	44.02 V	44.17 V	44.31 V	44.45 V
Maximum Power Point Current (ImP)	13.22 A	13.29 A	13.36 A	13.43 A	13.50 A
Module Efficiency	22.45 %	22.65%	22.84%	23.03%	23.23%
Power Tolerance	0~+5W				
Maximum System Voltage	1500V DC(IEC)				
Maximum Reverse Current	30A				
Operating Range	-40°C to + 85°C				

*STC:1000W/M², 25°C, AM 1.5

In low irradiance conditions, the panel may differ from the stated efficiency values.

I-V Curve

Current - Voltage & Power - Voltage Curve



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