

Half Cut TRANSPARAN BS



High Conversion Efficiency

High panel efficiency, it guarantees high power output.



Self-Cleaning and Anti-Reflective Glass

Special Coating on Glass Reduces Surface Dust



High Efficiency at Low Radiation

High Panel Efficiency Even in Morning and Cloudy Weather Conditions



Excellent Resistance Capacity

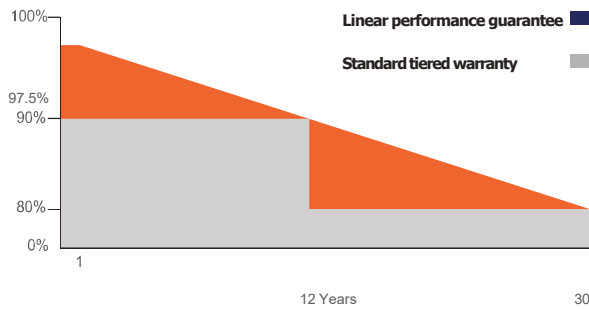
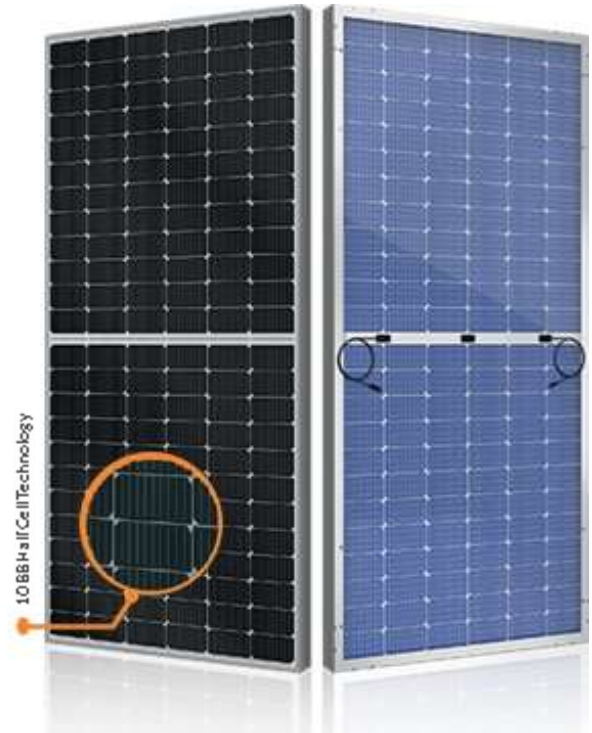
Resistance to 2400 Pa Wind Load, 5400 Pa Snow Load



0 ~ +5 W Positive Power Tolerance



Easy Mounting



ECT550-144PMB10 550 Wp

ECT545-144PMB10 545 Wp

ECT540-144PMB10 540 Wp

ECT535-144PMB10 535 Wp

ECT530-144PMB10 530 Wp

30 Year Performance Guarantee

12 Years Warranty



IEC 61215, IEC 61730
IEC 62804 PID
IEC 61701 TUZ KOROZYON
IEC 62716 AMONYAK KOROZYON
ISO 9001, ISO 14001, ISO 45001

ELECTRICAL SPECIFICATIONS

Model Type	ECT530 144PMB10	ECT535 144PMB10	ECT540 144PMB10	ECT545 144PMB10	ECT550 144PMB10
	STC	STC	STC	STC	STC
Maximum Power (P _{max})	530 Wp	535 Wp	540 Wp	545 Wp	550 Wp
Module Efficiency	20.5	20.7	20.9	21.1	21.3
Maximum Power Voltage (V _{mp})	41.55	41.76	41.93	42.10	42.27
Maximum Power Current (I _{mp})	12.75	12.81	12.88	12.95	13.01
Open Circuit Voltage (V _{oc})	49.40	49.70	49.90	50.10	50.03
Short Circuit Current (I _{sc})	13.48	13.57	13.66	13.75	13.84
Power Tolerance	0~+5W				
Max. System Rated Voltage	1500V DC				
Operating Temperature Range	-40 ~ +85°C				
Security Class	Class II				
Max. Series Fuse Current	30A				

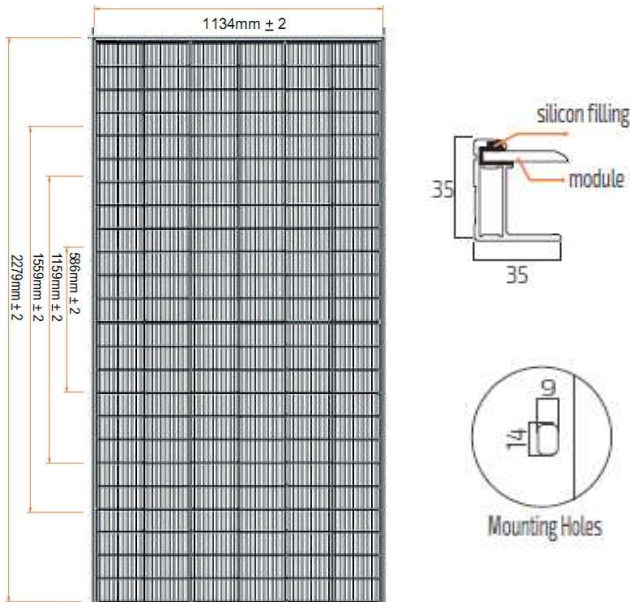
MECHANICAL SPECIFICATIONS

Cell Size (mm)	182x91
Number of Cells (pcs)	144 (24x6)
Weight (kg)	28kg +/- 0,5 kg
Panel Size (mm)	2279 x 1134 x 35mm
Max. Wind/Snow Load Resistance (Pa)	2400/5400
Junction Box Protection Class	IP68
Junction Box Cable Length (mm)	300-1300
Glass Properties	3.2 mm, AR, Tempered

BACK SIDE POWER GAIN

Model		535	540	545	550
5% Bifacial Gain	Maximum Power (W)	561.8	567.0	572.3	577.5
	Efficiency(%)	21.74	21.94	22.14	23.2
15% Bifacial Gain	Maximum Güç (W)	615.3	621	626.8	632.5
	Efficiency(%)	23.81	24.03	24.25	24.48
25% Bifacial Gain	Maximum Güç (W)	668.8	675.0	681.3	687.5
	Efficiency(%)	25.88	26.12	26.36	26.60

PHYSICAL PROPERTIES



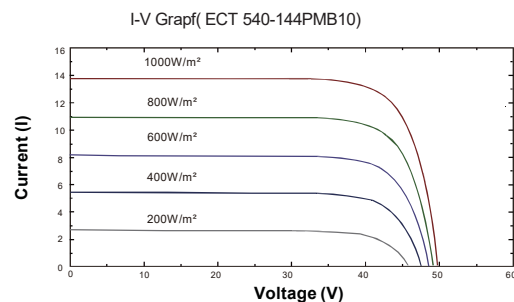
TEMPERATURE COEFFICIENT

Temperature Coefficient (I _{sc})	0.05%/°C
Temperature Coefficient (V _{oc})	-0.27%/°C
Temperature Coefficient(P _{max})	-0.35%/°C

PACKAGING

Container	40' GP
Pieces Per Pallet	32
Pieces Per Container	704
Pallets Per Container	22

ELECTRICAL SPECIFICATIONS



* The above data were obtained under standard test conditions (STC): 1000 W/m² solar irradiance, 1.5(Am) air mass and 25 °C cell temperature.

* BNPI (Bifacial Nameplate Irradiance): Front Irradiance 1000W/m², back irradiance 135W/m². Pmax tolerance +%-2.5, Isc tolerance +%-5

* BSI : BSI (Bifacial Stress Irradiance): Front Irradiance 1000W/m², back irradiance 300W/m². Isc tolerance +%-5 Module Efficiency (%): Round off to the nearest number.

* The measurement uncertainty for all panels is 3%. Actual data will be subject to the agreements made. The technical values contained in this document are for informational purposes only and are not part of the contracts. Specifications in this document may vary. For detailed information, see the "Installation Guide".

*For installations to be applied in roofs, facades and similar areas, Solar panels should be mounted on a fire-resistant coating suitable for this application, with a sufficient ventilation gap between the back layer of the modules and the mounting surface. Incorrect installations may pose a danger in case of fire and cause a fire. Solar panels; It should not be installed on structures and products made of transparent plastic, PVC, plastic and similar materials that are not resistant to fire risk. Use and installations that are not carried out in accordance with the installation instructions and the conditions in the warranty certificate will take the products out of warranty. For details, the Installation Guide and Warranty Documents should be examined.

* EcoTürk Energy reserves the right to change the features of the products without prior notice.