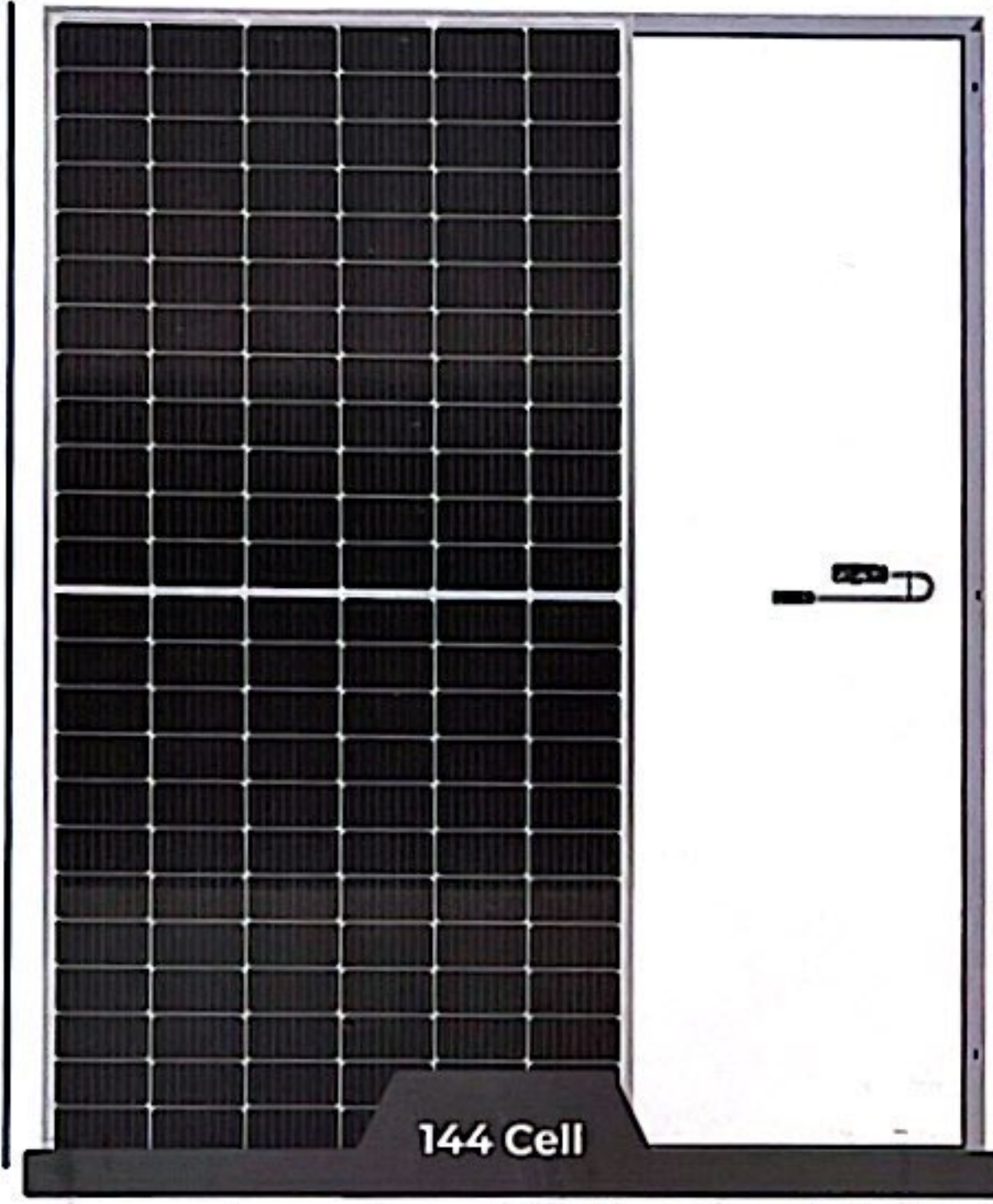




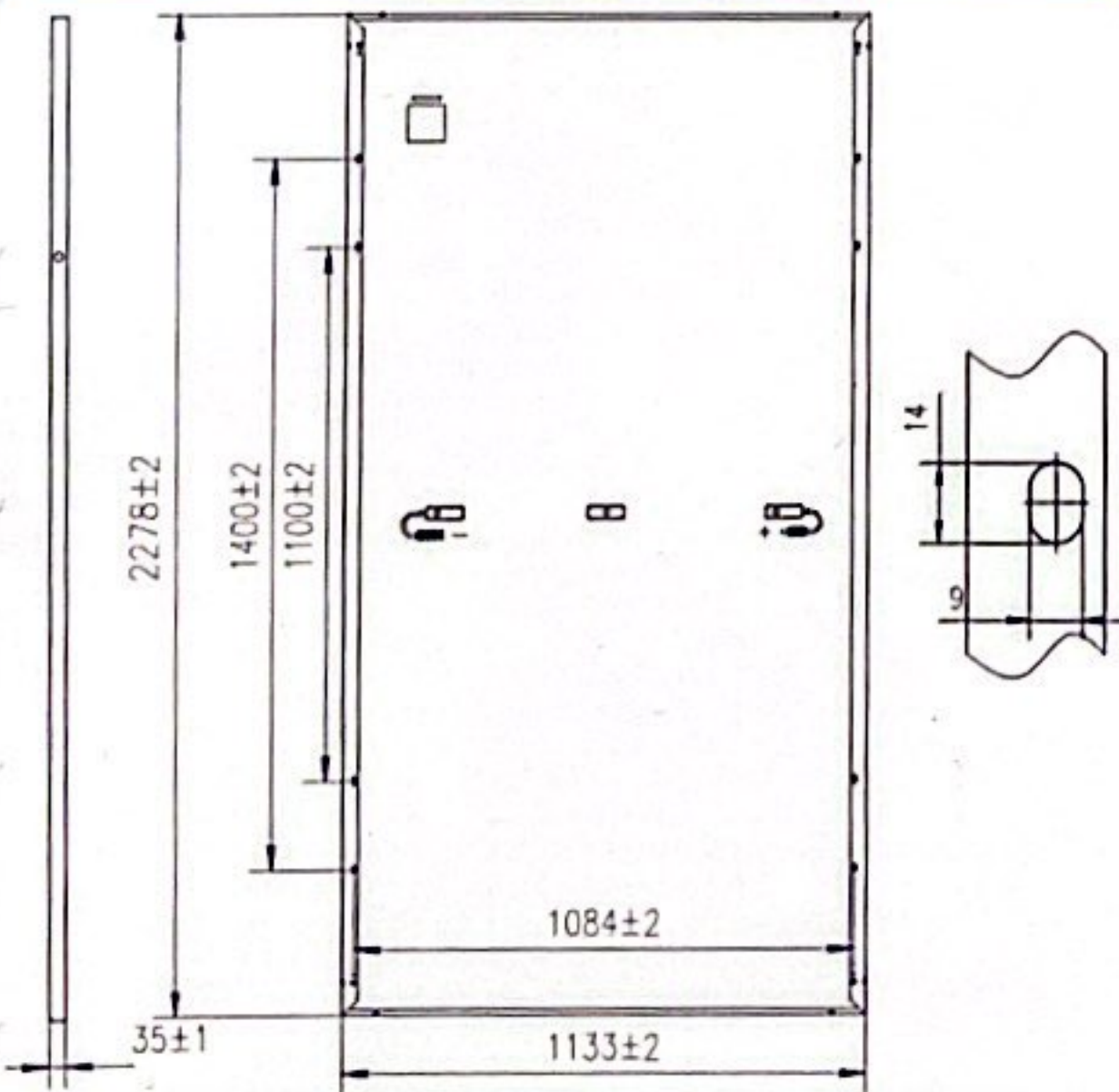
IM ENERGY

Got the light from the sun,
inspiration from the nature.

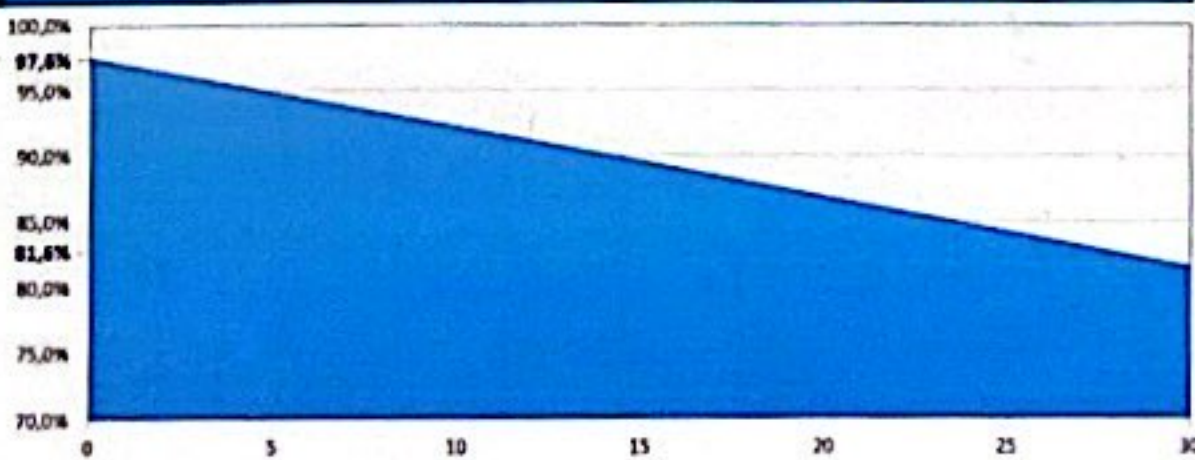
**12 YEARS
WARRANTY**



Dimensions (mm)



Linear Performance Warranty



540-560W

Half-CUT MonoPerc M10 10BB



ANTI-PID

Long-term and reliable field performance with AntiPID per cells



HALF-CUT CELL TECHNOLOGY

PERC technology solar cells minimize power loss (+5W) and provide better shading performance with 3 split J-boxes.



LIGHTWEIGHT DESIGN

Lighter and easier to install, less infrastructure costs and lower moisture retention rate compared to Glass-to-Glass panels.



HIGH PERFORMANCE TECHNOLOGY WITH M10 SOLAR CELLS

Thanks to the large "M10 solar cells", the system installation cost is reduced and high power gain per module is achieved.

- **Module efficiency up to 21.70%**
- **2400/5400 Pa Mechanical Load Resistance**
- **30 years Linear Performance Warranty**
- **Technical Support**

Production Facility Certificates



ISO 9001 / ISO 14001 / ISO 45001
ISO 27001 / ISO 50001

Product Certificates



IEC / EN 61215-1, IEC / EN 61215-1-1,
IEC / EN 61215-2, IEC / EN 61730-1, IEC / EN 61730-2

For More Details;



İncesu OSB, Sultansazı Mah.
13. Cadde No:22 İncesu / Kayseri



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www.imenerji.com.tr

Electrical Parameters (STC)

Model	IME 530	IME 535	IME 540	IME 545	IME 550	IME 555	IME 560
Maximum Power (W)	530	535	540	545	550	555	560
Working Point Voltage (V)	41.33	41.50	41.63	41.79	41.95	42.10	42.33
Working Point Current (A)	12.82	12.90	12.97	13.04	13.11	13.18	13.23
Open Circuit Voltage (V)	49.20	49.35	49.50	49.65	49.80	49.95	50.10
Short Circuit Current (A)	13.71	13.78	13.85	13.92	13.98	14.05	14.12
PV Module Efficiency	20.53%	20.73%	20.92%	21.12%	21.31%	21.50%	21.70%
Standart Test Conditions	AM1.5, Irradiance 1.000w/m ² , Cell Temperature 25°C						

Electrical Parameters (NMOT)

Model	IME 530	IME 535	IME 540	IME 545	IME 550	IME 555	IME 560
Maximum Power (W)	395	398	402	405	409	413	417
Working Point Voltage (V)	37.95	38.09	38.25	38.39	38.57	38.71	38.99
Working Point Current (A)	10.41	10.47	10.52	10.57	10.62	10.67	10.72
Open Circuit Voltage (V)	45.80	46.00	46.10	46.20	46.40	46.60	46.80
Short Circuit Current (A)	11.07	11.13	11.19	11.24	11.29	11.34	11.39

NMOT

The irradiance is 800w/m², the ambient temperature is 20°C, the wind speed is 1 m/s

Mechanical Parameters

Module Size	2278*1133*35 mm
Number Of Solar Cells	144 Cells
Weight	27.3 Kg ±5%
Junction Box	IP68, 3 Diodes
Cables	4 mm ² , 300 mm, (Customizable)
Front Plate	3.2 mm Ar Coated Tempered Glass
Back Plate	White Back Sheet
Static Load On The Front	5400 Pa
Static Load On The Back	2400 Pa

Temperature Parameters

NMOT	45±2°C
Temperature Coefficient Of Maximum Power (P _{max})	-0.35%/°C
Temperature Coefficient Of Open Circuit Voltage (V _{oc})	-0.28%/°C
Temperature Coefficient Of Short Circuit Current (I _{sc})	+0.048%/°C

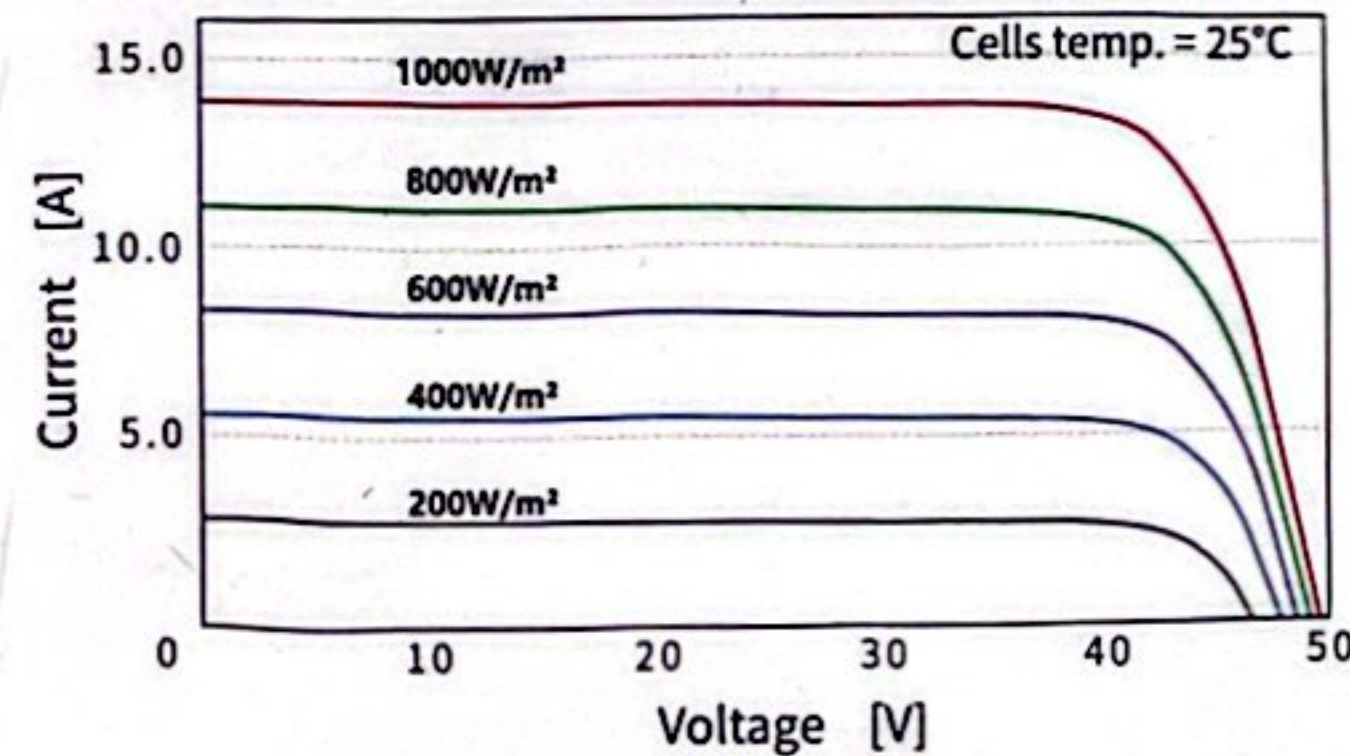
Maximum Ratings

Working Temperature	-40~+85°C
Maximum System Voltage	1500 VDC
Maximum Fuse Rated Current	25A

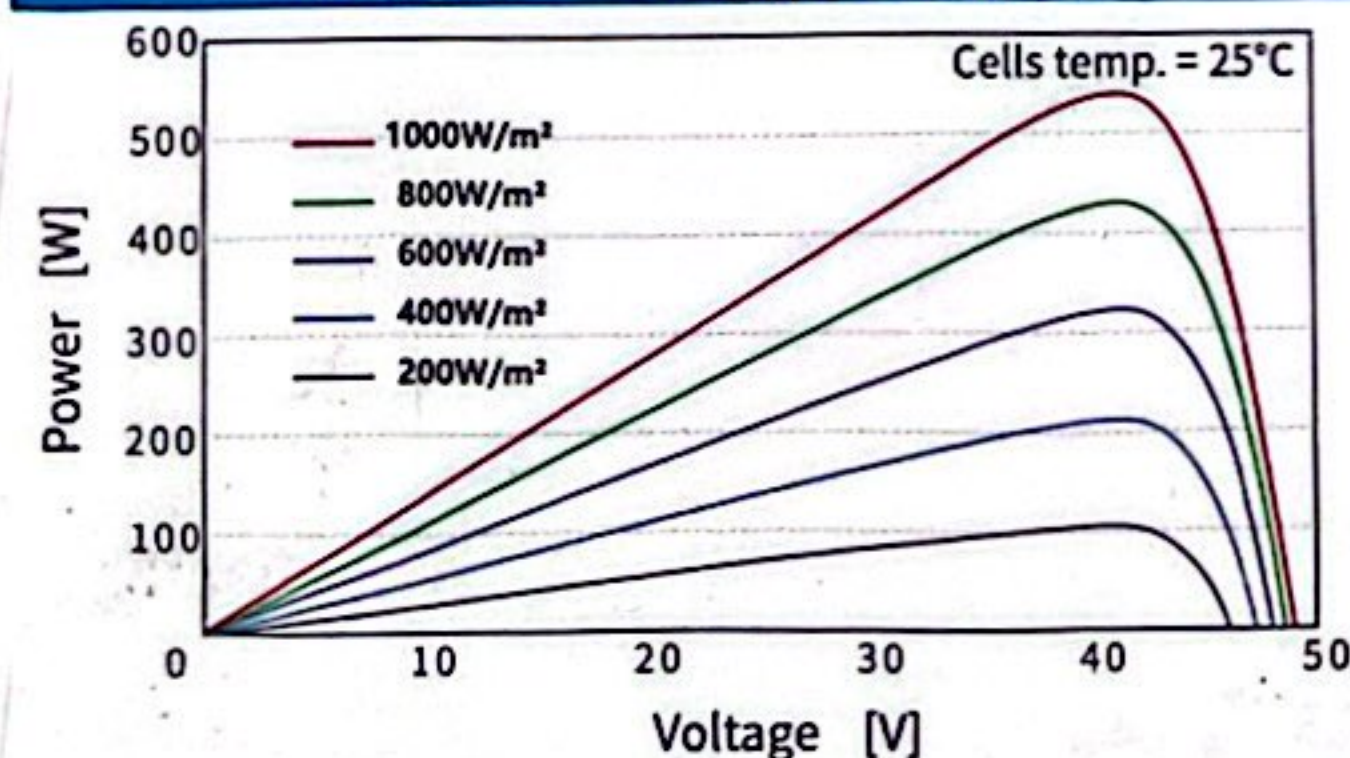
Packing and Transport

40'HQ Container Transport 31 Pcs / Box x 20 Box = 620 Pcs

Current - Voltage Graph



Power - Voltage Graph



For More Details;



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