

APEXPOLY-285W

Poly Crystalline Module

Positive Power Tolerance 0~+3

IEC 61730



KEY FEATURES

System Voltage



The Maximum voltage is promoted to 1500V and the module strings are extended by 50% which reduces the overall system BOS.

5 Busbar Solar Cell



5 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.

High Power Output



Polycrystalline 60-cell module achieves a power output up to 285Wp

PID Resistant



Eagle modules pass PID test, limited power degradation by PID test is guaranteed for mass production.

Low-Light Performance



Advanced glass and surface texturing allow for excellent performance in low-light environments.

Severe Weather Resilience



Certified to withstand: wind load (2400Pascal) snow load (5400Pascal).

Durability Against Extreme Environmental Conditions



High salt mist and ammonia resistance.

Temperature Coefficient



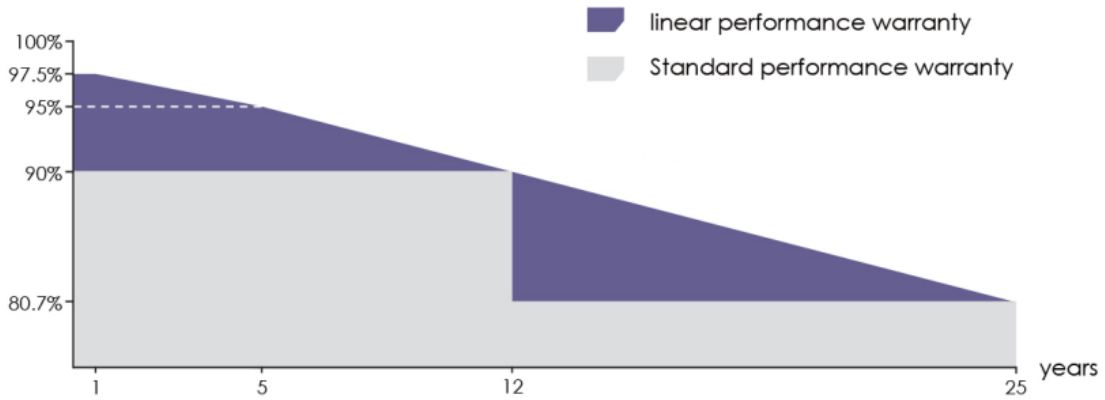
Improved temperature coefficient decreases power loss during high temperatures.



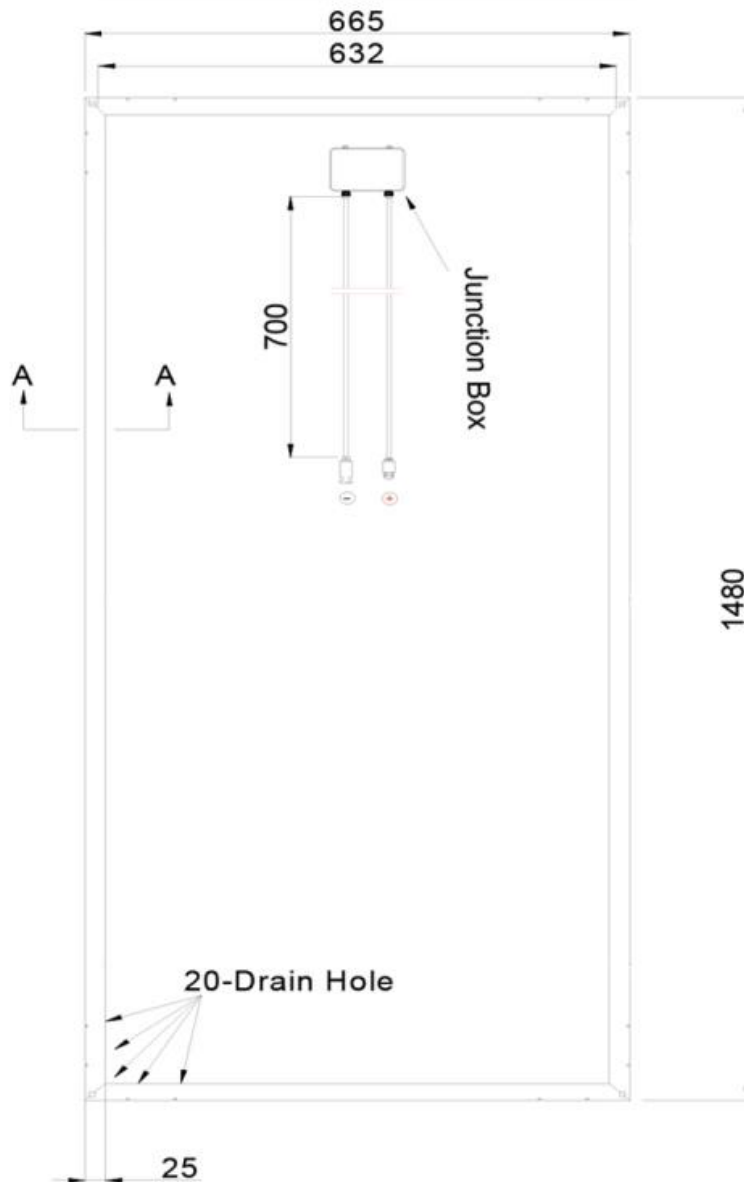
LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty

25 Year Linear Power Warranty

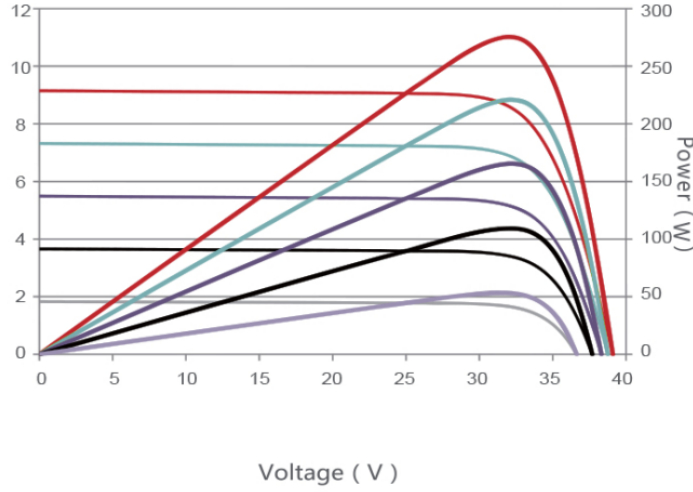


MECHANICAL DRAWING

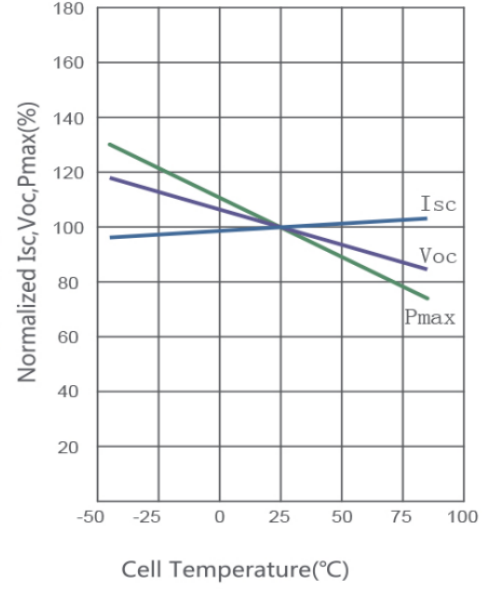


ELECTRICAL PERFORMANCE & TEMPERATURE

Akım-Voltaj & Güç-Voltaj
Eğrileri (285W)



Temperature Dependence of
Pmax, Voc, Isc



MECHANICAL CHARACTERIES

Cell Type	Poly-crystalline 156x156mm (6 inch)
No.of Cell	60 (6x10)
Dimensions	1650x992x35mm (65.00x39.05x1.37 inch)
Weight	19.0 kg (41.9 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67 Rated
Output Cables	TÜV 1x4.0mm, Length 900mm or Customized Length

PACKAGING CONFIGURATION

30pcs/pallet, 70pcs/stack, 840pcs/40'HQ Container

*(Two pallet = One stack)

SPECIFICATIONS

Modul Type	APEXPOLY-285W	
	STC	NOTC
Max. Power (Pmax)	285Wp	210Wp
Max. Power Voltage (Vmp)	32.3V	30.1V
Max. Power Current (Imp)	8.69A	6.91A
Open Circuit Voltage (Voc)	39.4V	35.6V
Short Circuit Current (Isc)	9.20A	7.99A
Module Efficiency STS (%)	17.11%	
Operating Temperature (°C)	-40°C~+85°C	
Max. System Voltage	1500VDC(IEC)	
Max. Series Fuse Rating	20A	
Power Tolerance	0~+3W	
Temperature Coefficients of Pmax	-0.40/%°C	
Temperature Coefficients of Voc	-0.31/%°C	
Temperature Coefficients of Isc	0.06/%°C	
Nominal Çalışma Hücresi Sıcaklığı (NOCT)	45±2°C	

STC: 

Irradiance 1000W/m²



Cell Temperature 25°C



AM=1.5

NOCT: 

Irradiance 800W/m²



Cell Temperature 20 °C



AM=1.5



Wind Speed 1m/s

*Power measurement tolerance: ±3W



MERKEZ

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