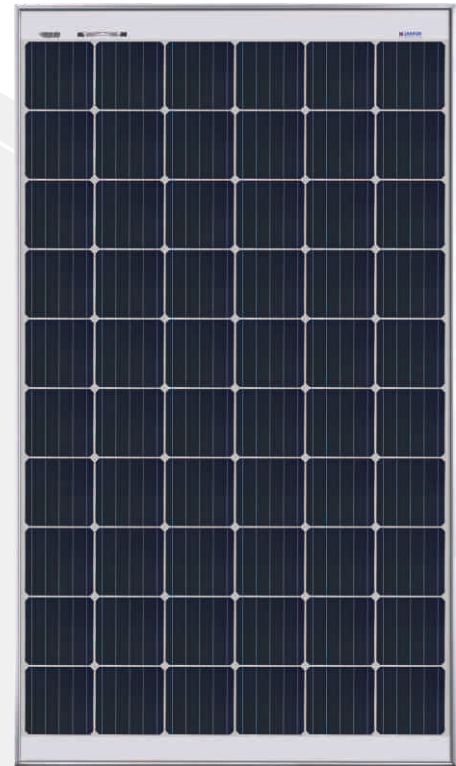


Transforming the power of sun

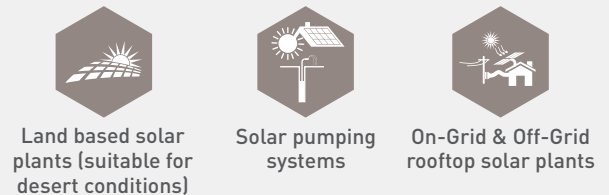
Mono PERC Modules (Range 340Wp-360Wp)

Jakson manufactures highly reliable & efficient mono PERC solar PV modules ranging from 340Wp-360Wp in power output for use in a wide range of On-grid and off-grid solar power plants, water pumping systems & solar LED street lighting applications, etc. The 5 bus-bar cell design improves module efficiency and offers better aesthetic appearance.

These modules are manufactured using automated production lines procured from Europe and installed at our manufacturing plant in Greater Noida, India. Jakson solar modules are sealed, weatherproof and highly durable with the ability to withstand high levels of ultraviolet radiations and moisture. Our modules are PID compliant and suitable for varied applications.



Application areas



Key features >



5 Busbar solar cell

5 busbar cell design improves module efficiency and offers better aesthetic appearance for rooftop installations.



High efficiency

Higher module conversion efficiency (up to 18.55%) benefit from Passivated Emmitter Rear Contact (PERC) technology.



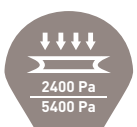
PID resistant

Excellent Anti-PID performance guarantee limited power degradation for mass production.



Low-light performance

Advanced glass and cell surface texture design ensure excellent performance in low-light environment.



Severe weather resilience

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



Durability against extreme environmental conditions

High salt mist and ammonia resistance certified by TÜV.

Mono PERC Modules (Range 340Wp-360Wp)

Technical specifications

Module Type	JMM340M-72		JMM345M-72		JMM350M-72		JMM355M-72		JMM360M-72	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	340Wp	254Wp	345Wp	258Wp	350Wp	262Wp	355Wp	266Wp	360Wp	270Wp
Maximum Power Voltage (Vmp)	38.7V	36.8V	38.9V	37.0V	39.1V	38.2V	39.3V	37.5V	39.5V	37.7V
Maximum Power Current (Imp)	8.79A	6.89A	8.87A	6.98A	8.94A	7.05A	9.04A	7.09A	9.12A	7.17A
Open-circuit Voltage (Voc)	47.1V	45.5V	47.3V	45.8V	47.5V	46.0V	47.8V	46.2V	48.0V	46.5V
Short-circuit Current (Isc)	9.24A	7.33A	9.31A	7.38A	9.38A	7.46A	9.45A	7.54A	9.51A	7.61A
Module Efficiency STC (%)	17.52%		17.78%		18.04%		18.30%		18.55%	

Mechanical properties 340-360 Wp

Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	1000VDC (IEC)
Maximum series fuse rating	15A
Power tolerance	0~+3%
Temperature coefficients of Pmax	-0.39%/°C
Temperature coefficients of Voc	-0.29%/°C
Temperature coefficients of Isc	0.048%/°C
Nominal operating cell temperature	45±2°C

STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

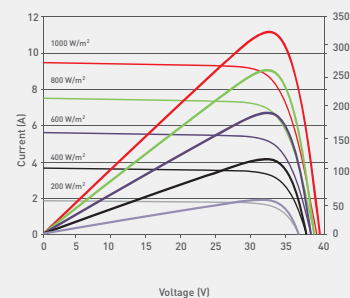
Ambient Temperature 20°C

AM=1.5 Wind Speed 1m/s

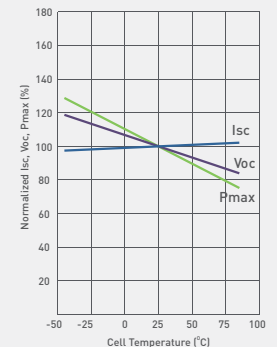
*Power measurement tolerance: ± 3%

Electrical & temperature parameters

Current-voltage & power-voltage curves (340W)



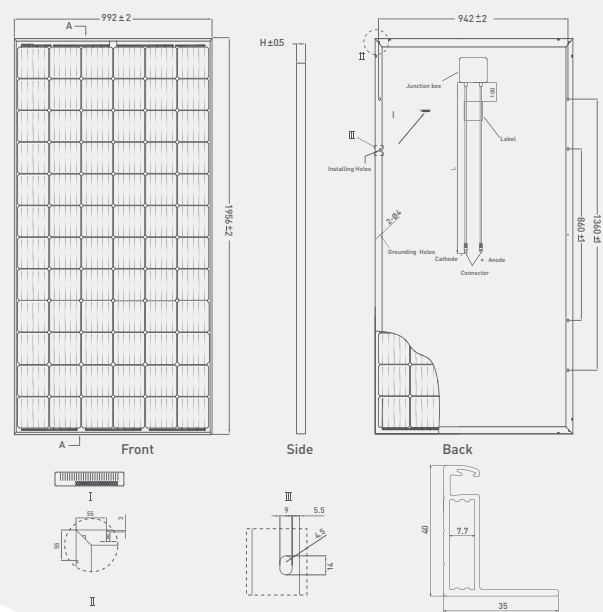
Temperature dependence of Isc, Voc, Pmax



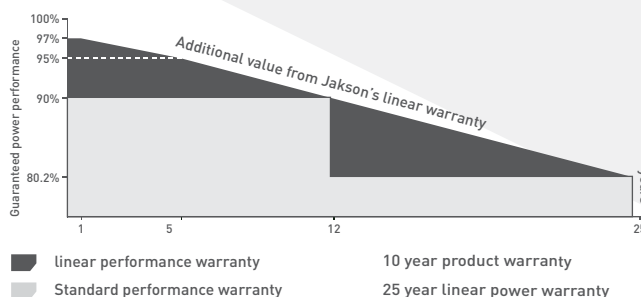
Mechanical characteristics

Cell Type	Mono-crystalline PERC 156.75x156.75mm (6 Inch)
No. of cells	72 (6x12)
Dimensions	1956x992x40mm (77.01x39.05x1.57 Inch)
Weight	26.5 kg (58.4 lbs)
Front Glass	4 mm, high transmission, low iron, tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP67 rated
Output Cables	TÜV 1x4mm ² , length:900mm or customized length

Engineering drawings



Linear performance warranty



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