

Transforming the power of sun



MONOCRYSTALLINE
SOLAR PV MODULES

60 CELLS

275-305Wp POWER OUTPUT RANGE

HIGH EFFICIENCY

POSITIVE POWER TOLERANCE



5 Busbar Solar Cell

5 busbar cell design improves module efficiency and offers better power output



High Efficiency

Higher module conversion efficiency (up to 18.40%) benefit from Passivated Emitter Rear Contact (PERC) technology



Outstanding Durability

With its reinforced frame design, our modules can endure front load of up to 5400 Pa and rear load of up to 2400 Pa to withstand heavy wind & snow loads



Better Performance in High Temperature

Our PV modules deliver efficient performance even in high temperature conditions due to its improved temperature coefficient



Low Light performance

Advanced glass and cell surface texture design ensures excellent performance in low light environment



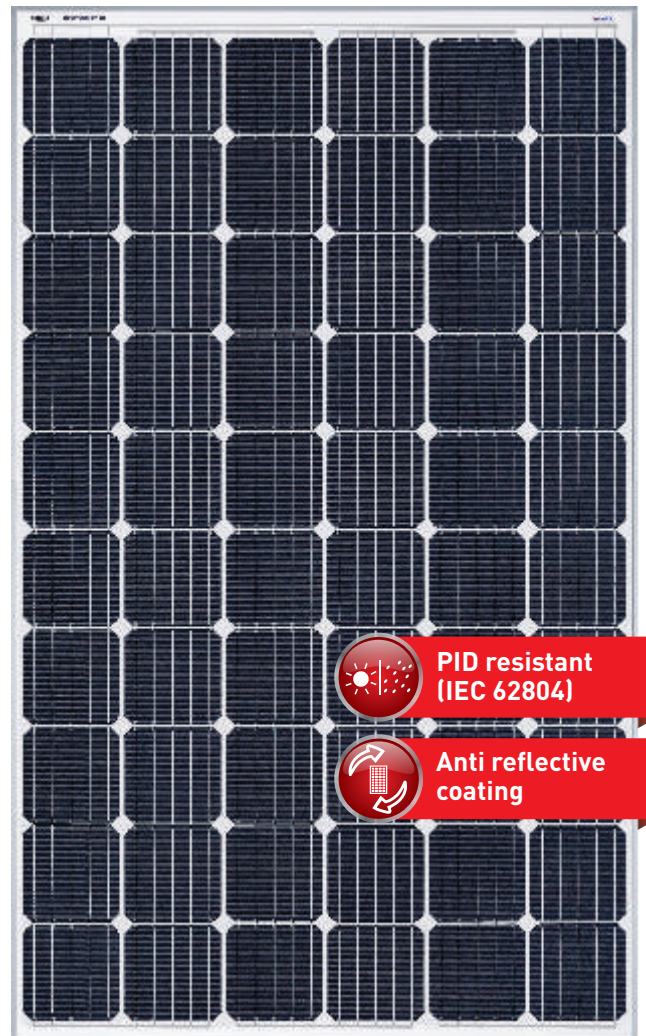
Enhanced Performance

Our PV modules provide more than 80% efficiency even after 25 years of operation



Global Certifications

IEC 61215, IEC 61730 (I & II), IEC 61853 certified
Sand and dust storm resistant (IEC 60068)
Salt mist, ammonia and hail resistant (IEC 61701) (IEC 62716)



Technical Specifications

Module Type	JMM275M-60		JMM280M-60		JMM285M-60		JMM295M-60		JMM300M-60		JMM305M-60	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (P _{max})	275	207.52	280	211.50	285	214.78	295	222.39	300	224.11	305	229.56
Maximum Power Voltage (V _{mp})	31.3	29.08	31.4	29.17	31.5	29.27	32.58	30.27	32.76	31.44	32.80	30.47
Maximum Power Current (I _{mp})	8.81	7.14	8.95	7.25	9.06	7.34	9.07	7.35	9.09	7.36	9.30	7.53
Open-circuit Voltage (V _{oc})	38.5	35.77	38.6	35.86	38.9	36.14	39.00	36.23	39.10	36.33	40.00	37.17
Short-circuit Current (I _{sc})	9.2	7.45	9.3	7.53	9.4	7.61	9.5	7.70	9.6	7.78	9.77	7.91
Module Efficiency STC (%)	16.94		17.25		17.55		18.17		18.48		18.79	

Mechanical Properties

Operating Temperature(°C)	-40°C~+85°C
Maximum system voltage	1000VDC (IEC)
Maximum series fuse rating	15A
Power tolerance	0~+3%
Temperature coefficients of P _{max}	-0.39%/°C
Temperature coefficients of V _{oc}	-0.29%/°C
Temperature coefficients of I _{sc}	0.048%/°C
Nominal operating cell temperature	46°C

STC: Irradiance 1000W/m²

Cell Temperature 25°C

AM=1.5

NOCT: Irradiance 800W/m²

Ambient Temperature 20°C

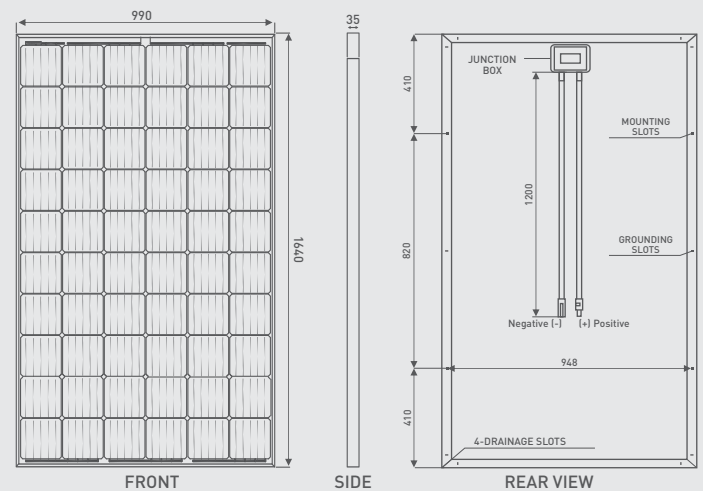
AM=1.5 Wind Speed 1m/s

*Power measurement tolerance: ± 3%

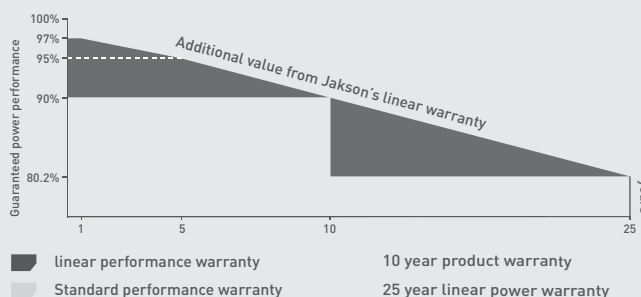
Mechanical Characteristics

Cell Type	Monocrystalline PERC 156.75x156.75mm (6 Inch)
No. of cells	60 (6x10)
Dimensions	1640x990x35mm
Weight	18.5 kg
Front Glass	3.2 mm, high transmission, low iron, tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP67 rated
Output Cables	TÜV 1x4mm ² , length:1200mm or customized length

Dimension of PV Module (Unit in mm)



Linear Performance Warranty



Electrical & Temperature Parameters

Current-voltage & power-voltage curves (295W)

