

Green Technology Creates Golden Future

PV-Module

M6 series

10 years professional brand, 10 years quality pursue
10 years professional photovoltaic products manufacturer

Monocrystalline Module



MYM6144-455

MYM6144-450

MYM6144-445

MYM6144-440

MYM6144-435

MYM6144-430

KEY FEATURES



6/9/12 Busbar Solar Cell

6/9/12 busbar solar cell adopts new technology to improve the efficiency of modules, offers a better aesthetic appearance, making it perfect for rooftop installation.



High Efficiency

Higher module conversion efficiency (up to 20.38%) benefit from half cell structure (low resistance characteristic).



PID Resistance

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



Low-light Performance

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



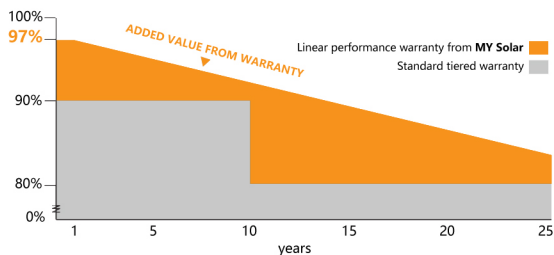
Severe Weather Resilience

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



Durability Against Extreme Environmental Conditions

Resistance to high salt mist and ammonia.



- 25 25-year performance warranty
- 10 10-year warranty on materials and workmanship

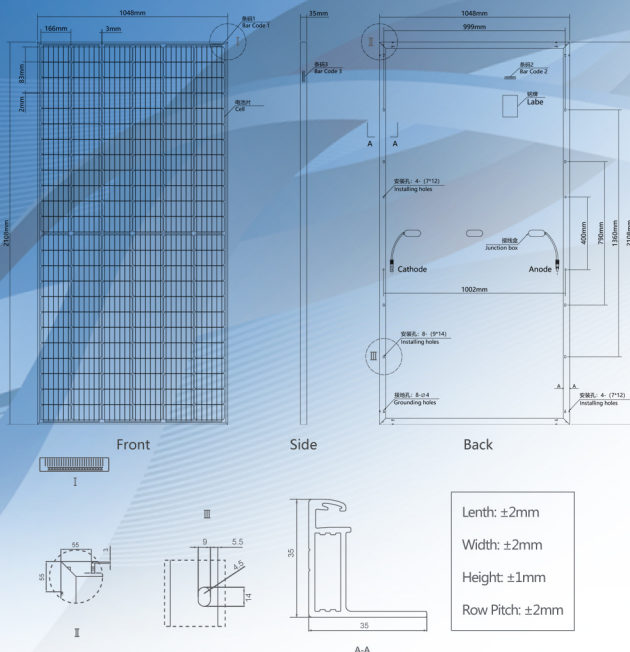
Product quality standards with reference to



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Engineering Drawings



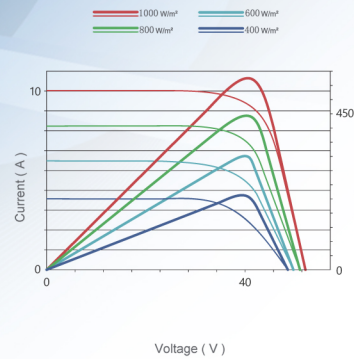
Packaging Configuration

(Two pallets=One stack)

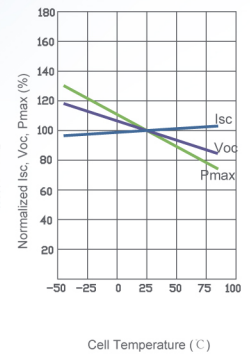
300pcs/20'GP, 600pcs/40'GP, 640pcs/40'HQ

Electrical Performance & Temperature Dependence

Current-Voltage & Power-Voltage Curves(450W)



Temperature Dependence of Isc, Voc, Pmax



Mechanical Characteristics

Cell Type	Mono PERC 166x83mm
No. of cells	144 Cells (6x24)
Dimensions	2108x1048x35mm(82.99x41.26x1.38 inch)
Weight	25.6kg(56.43 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low Iron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables	TUV 1x4.0mm², Portait:300/300mm

SPECIFICATIONS

Module Type	MYM6144-430		MYM6144-435		MYM6144-440		MYM6144-445		MYM6144-450		MYM6144-455	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax)	430W	319.9W	435W	323.6W	440W	327.3W	445W	331.0W	450W	334.7W	455W	338.4W
Maximum Power Voltage(Vmp)	40.72V	37.90V	41.08V	38.20V	41.40V	38.50V	41.75V	38.80V	42.10V	39.10V	42.40V	39.30V
Maximum Power Current(Imp)	10.56A	8.441A	10.59A	8.471A	10.63A	8.501A	10.66A	8.531A	10.69A	8.560A	10.73A	8.611A
Open-circuit Voltage(Voc)	48.69V	45.30V	48.98V	45.50V	49.25V	45.70V	49.55V	46.00V	49.84V	46.20V	50.20V	46.40V
Short-circuit Current(Isc)	11.07A	8.948A	11.10A	8.980A	11.14A	9.012A	11.17A	9.044A	11.20A	9.075A	11.24A	9.128A
Module Efficiency STC(%)	19.46%		19.69%		19.92%		20.14%		20.37%		20.60%	
Operating Temperature(°C)	-40°C~+85°C											
Maximum System Voltage	1500VDC											
Maximum Series Fuse Rating	20A											
Power Tolerance	0~+5Wp											
Temperature Coefficients of Pmax	-0.39%/°C											
Temperature Coefficients of Voc	-0.30%/°C											
Temperature Coefficients of Isc	-0.06%/°C											
Nominal Operating Cell Temperature(NOCT)	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%

MY SOLAR TECHNOLOGY CO.,LTD.

Add : No18,Yanxing Road,Yanqiao,Huishan Economic Development District,Wuxi

Tel : +86 510 8299 1188

Fax : +86 510 8299 1688

E-mail : info@mypvtech.com



www.mypvtech.com

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