










# RAYSTECH

## M8 Monocrystalline Series 50W-230W

### Products Characteristics

-  Widely using of the most popular and mature type of modules for off-grid system.
-  Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing.
-  100% EL inspection, ensures modules are defects free.
-  Cells binned by current to improve module performance.
-  Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.
-  Outstanding performance in low-light irradiance environments.
-  Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).
-  High salt and ammonia resistance.
-  Positive power tolerance: 0~+5w.

### Warranty



5 year product warranty.



10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty.










### Comprehensive Certificates

- ◆ ISO Certificate
- ◆ SGS-TUV Certificate
- ◆ CQC Certificate
- ◆ IEC61215、IEC61730 Certificate
- ◆ CE Certificate



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\*Specifications subject to technology and test conditions, RAYSTECH reserves the right of final interpretation.

	Model No.	Pmax (W)	Dimension(mm)	Weight (kg)	Power Tolerance	Operating Temperature	Junction-Box	Application Grade	Packing	Cell Efficiency	Voc (V)	Vmp (V)	Isc (A)	Imp (A)	Cell Size (mm)
	M6-33-50	50W	520x530x25x25	3.0	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	21.1%	23.0	18.8	2.82	2.66	166x41.5
	M6-33-70	70W	670x530x25x25	3.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	21.1%	23.0	18.8	3.95	3.72	166x55.3
	M6-33-90	90W	790x530x25x25	4.6	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	22.6%	23.0	18.8	5.08	4.79	166x66.4
	M6-33-100	100W	980x530x28x25	5.7	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	21.7%	23.0	18.8	5.64	5.32	166x83
	M6-32-120	120W	860x700x28x25	6.7	0-+5W	-45~+80 C	IP65/IP67	ClassA	4pieces/box	21.9%	22.4	18.3	6.96	6.56	166x99.6
	M6-32-130	130W	950x700x28x25	7.4	0-+5W	-45~+80 C	IP65/IP67	ClassA	4pieces/box	21.9%	22.4	18.3	7.54	7.11	166x109.5
	M6-32-150	150W	1060x700x28x25	8.3	0-+5W	-45~+80 C	IP65/IP67	ClassA	4pieces/box	22.7%	22.4	18.3	8.69	8.20	166x124.5
	M6-32-200	200W	1390x700x28x25	10.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	22.3%	22.4	18.3	11.58	10.93	166x166
	M6-32-205	205W								22.7%	22.4	18.3	11.87	11.20	
	M6-32-215	215W								23.1%	22.4	18.3	11.45	10.80	
	M6-36-220	220W	1560x700x28x25	12.3	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	22.3%	25.6	20.9	11.16	10.53	166x166
	M6-36-225	225W								22.7%	25.8	21.1	11.30	10.66	
	M6-36-230	230W								23.1%	26.0	21.3	11.45	10.80	

Glass	3.2mm Tempered Glass
Encapsulation	EVA
Backsheet	Multilayer Composite
Aluminium-Frame	Silvery/Black Anodized aluminium alloy
Cable	NA, but customized is acceptable
Connector	NA, but MC4 and MC4 Compatible are acceptable
Maximum System Voltage	700V
Maximum Series Fuse	10A
Temperature Coefficient of Isc	+0.06%
Temperature Coefficient of Voc	-0.32%
Temperature Coefficient of Pmp	-0.45%
Standard Test Condition	Irradiance:1000W/M <sup>2</sup> , Cell Temperature:25 C, Spectrum AM:1.5

## Engineering Drawings (Back Side)

