










# RAYSTECH

## M8 Monocrystalline Series 50W-235W

### 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)
	M8-33-50	50W	530x540x25x25	3.0	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	21.1%	23.0	18.8	2.82	2.66	168x42
	M8-33-70	70W	685x540x25x25	3.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	21.1%	23.0	18.8	3.95	3.72	168x56
	M8-33-90	90W	810x540x25x25	4.6	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	22.6%	23.0	18.8	5.08	4.79	168x67.2
	M8-33-100	100W	995x540x28x25	5.7	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	21.7%	23.0	18.8	5.64	5.32	168x84
	M8-32-120	120W	870x710x28x25	6.7	0-+5W	-45~+80 C	IP65/IP67	ClassA	4pieces/box	21.9%	22.4	18.3	6.96	6.56	168x100.8
	M8-32-130	130W	960x710x28x25	7.4	0-+5W	-45~+80 C	IP65/IP67	ClassA	4pieces/box	21.9%	22.4	18.3	7.54	7.11	168x112
	M8-32-150	150W	1070x710x28x25	8.3	0-+5W	-45~+80 C	IP65/IP67	ClassA	4pieces/box	22.7%	22.4	18.3	8.69	8.20	168x126
	M8-32-200	200W	1410x710x28x25	10.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	22.3%	22.4	18.3	11.58	10.93	168x168
	M8-32-205	205W								22.7%	22.4	18.3	11.87	11.20	
	M8-32-210	210W								23.1%	23.1	18.9	11.77	11.10	
	M8-32-215	215W								23.1%	22.4	18.3	11.45	10.80	
	M8-36-220	220W	1580x710x28x25	12.3	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	22.3%	25.6	20.9	11.16	10.53	168x168
	M8-36-225	225W								22.7%	25.8	21.1	11.30	10.66	
	M8-36-230	230W								23.1%	26.0	21.3	11.45	10.80	
	M8-36-235	235W								23.1%	25.9	21.2	11.77	11.10	

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)

