










# RAYSTECH

## M10 Monocrystalline Series 65W-260W

### 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



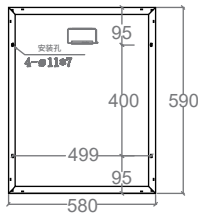
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\*Specifications subject to technology and test conditions, RAYSTECH reserves the right of final interpretation.

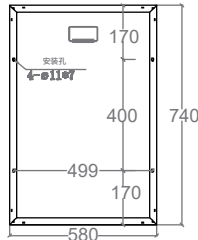
	Model No.	P <sub>max</sub> (W)	Dimension(mm)	Weight (kg)	Power Tolerance	Operating Temperature	Junction-Box	Application Grade	Packing	Cell Efficiency	V <sub>oc</sub> (V)	V <sub>mp</sub> (V)	I <sub>sc</sub> (A)	I <sub>mp</sub> (A)	Cell Size (mm)
	M10-33-65	65W	590x580x25x25	4.8	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	24.1%	23.0	18.8	3.66	3.46	182x45.5
	M10-33-90	90W	740x580x28x25	6.1	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	24.1%	23.0	18.8	5.08	4.79	182x60.7
	M10-36-150	150W	910x765x28x25	7.8	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	24.1%	25.1	20.5	7.75	7.31	182x91
	M10-72-190	190W	1215x765x28x25	10.4	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	24.1%	50.3	41.1	4.90	4.62	182x60.7
	M10-32-250	250W	1570x765x28x25	13.5	0-+5W	-45~+80 C	IP65/IP67	ClassA	4pieces/box	23.7%	22.7	18.6	14.28	13.47	182x182
	M10-32-255	255W								24.1%	22.9	18.7	14.45	13.64	
	M10-32-260	260W								24.5%	23.0	18.8	14.66	13.83	

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 I <sub>sc</sub>	+0.06%
Temperature Coefficient of V <sub>oc</sub>	-0.32%
Temperature Coefficient of P <sub>mp</sub>	-0.45%
Standard Test Condition	Irradiance:1000W/M <sup>2</sup> , Cell Temperature:25 C, Spectrum AM:1.5

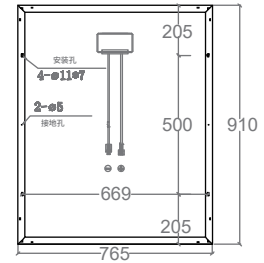
## Engineering Drawings (Back Side)



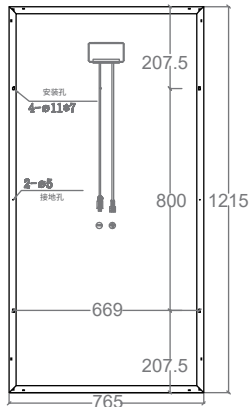
M10-33-65



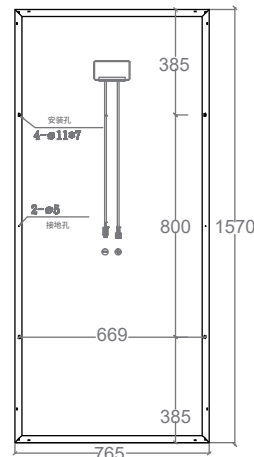
M10-33-90



M10-36-150



M10-72-190



M10-32-250-260