



M12 Monocrystalline Series 10W-200W

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



*Specifications subject to technology and test conditions,EPEVER 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)
	M12-32-10	10W	300x240x17x17	0.8	0-+5W	-45~+80 C	IP65/IP67	ClassA	30pieces/box	25.5%	19.6	16.0	0.67	0.63	52x35
	M12-32-20	20W	430x240x17x17	1.15	0-+5W	-45~+80 C	IP65/IP67	ClassA	20pieces/box	25.5%	21.5	17.6	1.21	1.14	52x52
	M12-36-30	30W	490x350x25x25	1.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	10pieces/box	25.5%	27.3	22.3	1.43	1.35	105x26
	M12-33-40	40W	650x350x25x25	2.5	0-+5W	-45~+80 C	IP65/IP67	ClassA	10pieces/box	25.5%	27.3	22.3	1.91	1.80	105x52.5
	M12-36-50	50W	540x450x25x25	2.7	0-+5W	-45~+80 C	IP65/IP67	ClassA	10pieces/box	25.5%	27.3	22.3	2.38	2.25	105x52.5
	M12-32-60	60W	620x450x25x25	3.1	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	24.2	19.8	3.22	3.04	105x70
	M12-36-65	65W	690x450x25x25	3.4	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	27.3	22.3	3.09	2.92	105x70
	M12-32-90	90W	900x450x25x25	4.5	0-+5W	-45~+80 C	IP65/IP67	ClassA	5pieces/box	25.5%	24.2	19.8	4.82	4.55	105x105
	M12-36-100	100W	1010x450x25x25	5.0	0-+5W	-45~+80 C	IP65/IP67	ClassA	5pieces/box	25.5%	27.3	22.3	4.76	4.49	105x105
	M12-60-160	160W	1120x670x28x25	8.3	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	25.5%	45.3	37.0	4.59	4.33	105x105
	M12-66-175	175W	1230x670x28x25	9.1	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	25.3%	49.5	40.5	4.58	4.32	105x105
M12-66-180	180W	25.5%								49.8	40.7	4.69	4.42	105x105	
	M12-72-190	190W	1330x670x28x25	9.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	25.3%	54.1	44.2	4.56	4.30	105x105
	M12-72-200	200W								25.5%	54.3	44.4	4.78	4.51	105x105

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	25A
Temperature Coefficient of Isc	+0.06%
Temperature Coefficient of Voc	-0.32%
Temperature Coefficient of Pmp	-0.45%
Standard Test Condition	Irradiance:1000W/M ² ,Cell Temperature:25 C ,Spectrum AM:1.5

Engineering Drawings (Back Side)

