










# M10 Monocrystalline Series 20W-300W

## Products Characteristics

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|---|---|
|  <p>Widely using of the most popular and mature type of modules for off-grid system.</p>   |  <p>Outstanding performance in low-light irradiance environments.</p>   |
|  <p>Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing.</p>  |  <p>Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).</p> |
|  <p>100% EL inspection, ensures modules are defects free.</p>   |  <p>High salt and ammonia resistance.</p>  |
|  <p>Cells binned by current to improve module performance.</p>  |  <p>Positive power tolerance: 0~+5w.</p>   |
|  <p>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.</p> |   |

## 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,GSUN Power 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)
	M10-32-20	20W	420x280x17x17	1.4	0-+5W	-45~+80 C	IP65/IP67	ClassA	10pieces/box	25.5%	22.39	18.2	1.18	1.10	60.6x45.5
	M10-32-30	30W	430x400x25x25	2.0	0-+5W	-45~+80 C	IP65/IP67	ClassA	10pieces/box	25.5%	22.39	18.2	1.77	1.65	91x45.5
	M10-32-40	40W	550x400x25x25	2.5	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	22.39	18.2	2.35	2.20	91x60.6
	M10-36-50	50W	630x400x25x25	2.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	25.22	20.5	2.61	2.44	91x60.6
	M10-33-60	60W	570x580x25x25	3.8	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	23.12	18.8	3.42	3.20	182x45.5
	M10-33-70	70W	590x580x25x25	3.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	23.12	18.8	3.99	3.73	182x47
	M10-33-90	90W	740x580x28x25	4.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	23.12	18.8	5.14	4.80	182x60.6
	M10-36-100	100W	820x580x28x25	5.4	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	25.22	20.5	5.22	4.88	182x62.6
	M10-33-130	130W	1070x580x28x25	6.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	23.9%	23.17	19.8	7.02	6.56	182x91
	M10-36-140	140W	890x765x28x25	7.6	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	25.22	20.5	7.31	6.83	182x91
	M10-36-150	150W	910x765x28x25	7.8	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	25.22	20.5	7.83	7.32	182x94
	M10-36-180	180W	1170x765x28x25	10.0	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	25.22	20.5	9.41	8.79	182x60.6
	M10-36-200	200W	1210x765x28x25	10.4	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	25.5%	25.22	20.5	10.44	9.76	182x62.6
	M10-32-250	250W	1520x765x30x25	12.8	0-+5W	-45~+80 C	IP65/IP67	ClassA	36pieces/pallet	25.5%	22.38	19.1	13.88	13.09	182x91
	M10-36-280	280W	1720x765x30x25	13.4	0-+5W	-45~+80 C	IP65/IP67	ClassA	36pieces/pallet	25.5%	25.22	20.5	14.62	13.66	182x91
	M10-36-300	300W	1760x765x30x25	15.1	0-+5W	-45~+80 C	IP65/IP67	ClassA	36pieces/pallet	25.5%	25.22	20.5	15.68	14.65	182x94

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	20A
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)

