







Monocrystalline Series 45W-200W (158.75*158.75)


Products Characteristics


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

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, GSPV reserves the right of final interpretation.

WUXI GSPV NEW ENERGY CO.,LTD

Add: NO.518 Taihu Pearl Development Mansion NO.1890 Taihu West Road, Wuxi, Jiangsu, China.
 Mobile Phone: +86 189 2128 9906 Fax: +86-510-8516 8988 Tel: +86-510-8516 8906
 Email: canjkb@gspvenergy.com Website: www.gspvenergy.com

	Model No.	Pmax (W)	Dimension(mm)	Weight (kg)	Power Tolerance	Operating Temperature	Junction-Box	Application Grade	Packing	Module Efficiency	Voc (V)	Vmp (V)	Isc (A)	Imp (A)	Cell Size (mm)
■	M5-36-45	45W	540x510x25x25	3.3	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	20.6%	25.1	20.5	2.49	2.35	158.75x39
	M5-36-50	50W								22.8%	23.9	20.5	2.59	2.44	
■	M5-36-60	60W	700x510x25x25	4.5	0-+5W	-45~+80 C	IP65/IP67	ClassA	6pieces/box	20.3%	25.1	20.5	3.10	2.93	158.75x52.9
	M5-36-65	65W								22.2%	25.1	20.5	3.36	3.17	
■	M5-36-75	75W	820x510x25x25	4.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	5pieces/box	21.5%	25.1	20.5	3.88	3.66	158.75x63.5
	M5-36-80	80W								22.6%	24.0	20.5	4.14	3.91	
■	M5-36-100	100W	780x670x25x25	5.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	5pieces/box	22.6%	25.1	20.5	5.17	4.88	158.75x79
■	M5-36-115	115W	920x670x28x25	6.9	0-+5W	-45~+80 C	IP65/IP67	ClassA	4pieces/box	21.6%	25.1	20.5	5.95	5.61	158.75x95.25
	M5-36-120	120W								22.5%	25.1	20.5	6.21	5.86	
■	M5-36-130	130W	1020x670x28x25	7.7	0-+5W	-45~+80 C	IP65/IP67	ClassA	4pieces/box	21.9%	25.1	20.5	6.73	6.35	158.75x106
	M5-36-135	135W								22.7%	25.1	20.5	6.99	6.59	
■	M5-36-145	145W	1120x670x28x25	8.4	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	21.8%	25.1	20.5	7.50	7.07	158.75x117
	M5-36-150	150W								22.5%	25.1	20.5	7.76	7.32	
■	M5-32-180	180W	1310x670x28x25	10.0	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	22.8%	22.5	18.4	10.37	9.79	158.75x158.75
■	M5-36-190	190W	1480x670x28x25	11.2	0-+5W	-45~+80 C	IP65/IP67	ClassA	38pieces/Pallet	21.8%	25.1	20.5	9.83	9.27	
	M5-36-195	195W								22.4%	25.1	20.5	10.08	9.51	
	M5-36-200	200W								23.1%	23.9	20.5	10.34	9.76	

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 ² , Cell Temperature:25 C., Spectrum AM:1.5

Engineering Drawings (Back Side)

