

Photon Solar Energy-Germany

Monocrystalline PV Module MS(335-355)M-60 Series



- More uniform current collection ability, reduces the current and heat loss of the battery in the module; beautiful appearance, more suitable for roof installation.
- s up to 19.46%).
- System voltage 1000V/1500V standard

355	W (module	conversion	efficiency	IS
a (2)				

nstallation.	Excellent performance in low light environment achieved
he output of mono crystalline 60pcs series is up to	by using excellent surface velveting technology of glass
The output of friorio crystamine oopes series is up to	and colle

The whole module is certified by 1600Pa wind load and 3600Pa snow load.

scale can pass the PID (potential induced attenuation)

Certified by high salt spray and high ammonia corrosion

335 340 345 3	50 355		test		E
ELECTRICAL SPECIFICATIONS					
STC rated output (Pmpp)*	335 Wp	340 Wp	345 Wp	350 Wp	355 Wp
PV Module size			1734*1052*35MM		
Standard sorted output			0/+5 Wp		
Warranted power output STC (Pnominal)	335 Wp	340 Wp	345 Wp	350 Wp	355 Wp
Rated voltage (V _{mpp}) at STC	33.80 V	34.00 V	34.20 V	34.40 V	34.60 V
Rated current (Impp) at STC	9.91 A	10.00 A	10.09 A	10.17 A	10.26 A
Open circuit voltage (Voc) at STC	40.90 V	41.01 V	41.30 V	41.50 V	41.70 V
Short circuit current (Isc) at STC	10.47 A	10.57 A	10.68 A	10.78 A	10.88 A
Module efficiency	18.36 %	18.64 %	18.91 %	19.19 %	19.46 %
Rated output (Pmpp) at NOCT	248.62 Wp	252.33 Wp	256.04 Wp	259.75 Wp	263.47 Wp
Rated voltage (V _{mpp}) at NOCT	31.40 V	31.60 V	31.80 V	32.00 V	32.20 V
Rated current (Impp) at NOCT	7.92 A	7.99 A	8.05 A	8.12 A	8.18 A
Open circuit voltage (Voc) at NOCT	38.00 V	38.20 V	38.40 V	38.60 V	38.80 V
Short circuit current (I₅c) at NOCT	8.46 A	8.54 A	8.62 A	8.70 A	8.78 A
Temperature coefficient (Pmpp)		- 0.380%/K	Maximum system voltage (IEC))	1000Vpc / 1500Vpc
Temperature coefficient (I₅c)		+0.042%/K	Number of diodes		3
Temperature coefficient (Impp)		- 0.008%/K	Maximum series fuse rating		15 A
Temperature coefficient (V _{mpp})		- 0.373%/K	Operating Temperature		-40°C to +85°C
Temperature coefficient (Voc)		- 0.284%/K			
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^{*} Measurement tolerance +/- 3%





Normal operating cell temperature (NOCT)













46±2°C







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RELATED PARAMETERS	
Cell type	Monocrystalline
Number of cells / cell arrangement	60/6x10
Cells dimension	6"
Packing unit	30 modules
Weight of packing unit (for container)	585kg / 1290 lbs

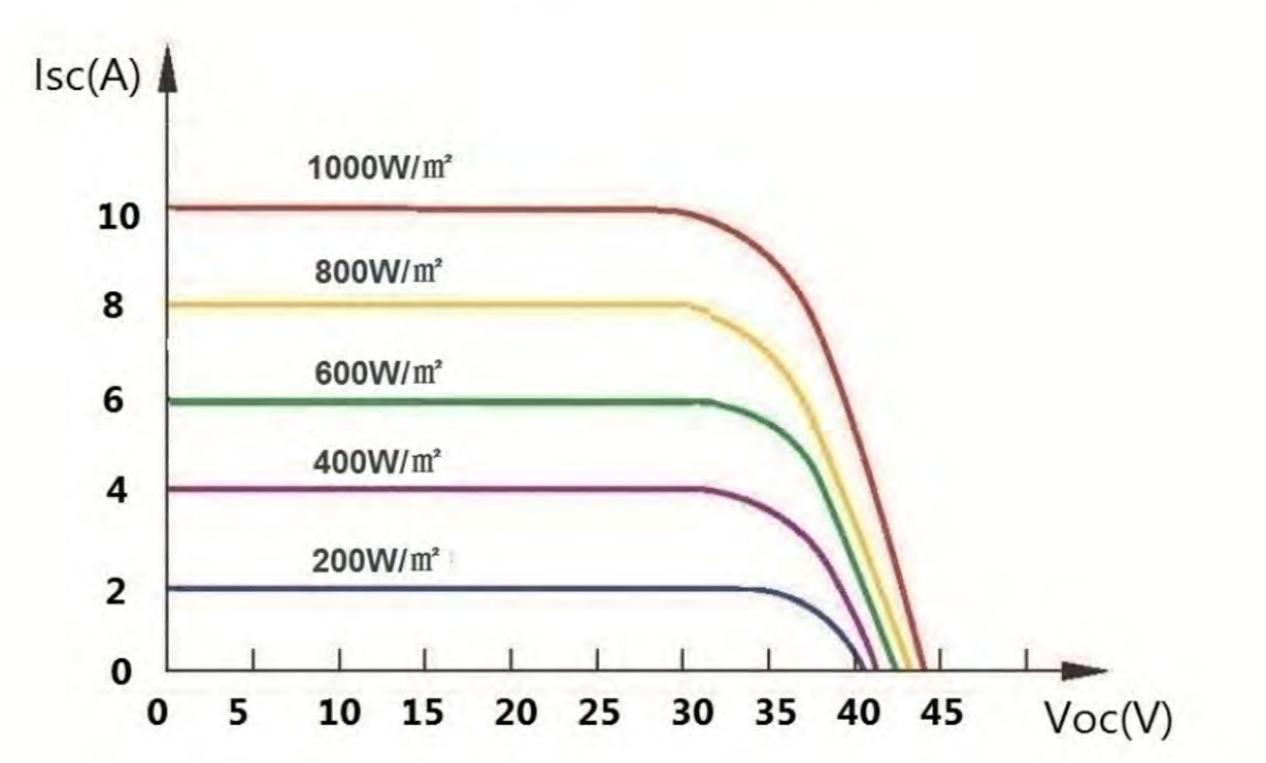
MECHANICAL SPECIFICATION	DNS
Outer dimensions (L x W x H)	1734*1052*35mm 68.28*40.93*1.38 in
rame technology	Aluminum, silver anodized
Module composition	Glass/EVA /Backsheet(white)
Veight (module only)	20 kg / 41.77 lbs
ront glass thickness	3.2mm/0.13 in
unction box IP rating	IP 65/67
Cable length(IEC)	900mm / 35.43 in
Cable diameter (IEC)	12 AWG/ 4mm²
Maximum load capacity	3600 Pa
ire performance (IEC)	Class C
Connector type (IEC)	MC4 compatible

Refer to P	hoton	Solar	crystalline	installation	manual.

ict standard	IEC61215, 6173
ded product warranty	12 year
ut decline 3%/year performance	e P _{mpp} (STC) 1 st yea
ut decline 3%/year performance	



I-V Curves of PV Module MS-350M-60 at various solar irradiance



Front view	Side view	Rear view	Frame cross section
1052mm/3.459 feet	35mm/0.115 feet	16-3 mm x 7mm/0.01 feet x 0.025 feet Drainage hole 2-\$4 mm/0.013 feet Ground hole 8-9 mm x 14 mm/0.030 feet x 0.046 feet Mounting hole	35mm/0.115 feet

Photon Solar GmbH reserves the right of final interpretation. Specifications and designs included in this datasheet are subjekt to change without notice.

SALES: PHOTON SOLAR Energy GmbH – Germany Address: Niermannsweg 11-15, 40699 Erkrath, Germany Email: info@photon-solar.de, website: www.photon-solar.de LEGAL: MS series panels are distributed according to German electro law 2

(ElektroG2) under PV Global registration number: WEEE No. DE 47693041

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