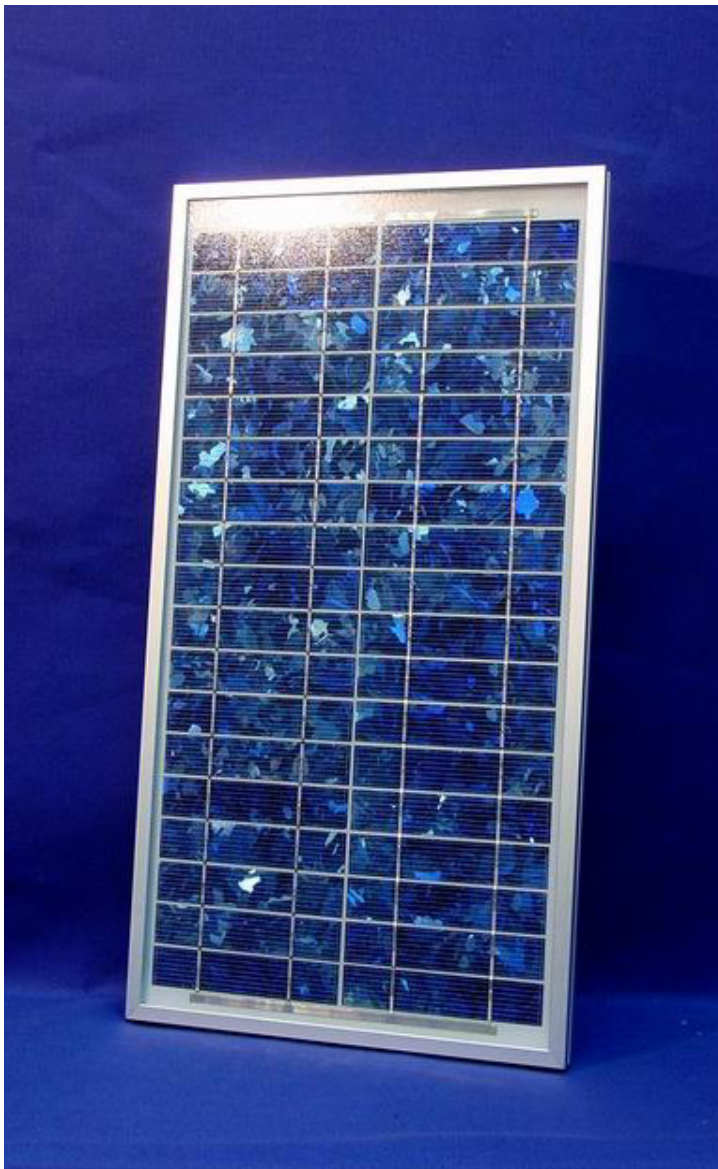


# STAR POWER

## Solar Module MG 10/8.5/5/2.5

*Star Power's MG series provides a cost-effective & environmental-friendly DC power source ranging from 2.5W up to 25W. With 36 poly-crystalline cells in series, MG modules charge efficiently 12V battery in almost any environment. They are ideal for single-module industrial or commercial applications.*



### Superior Quality

- Every module is fully inspected and tested to ensure compliance of electrical, mechanical and visual requirement
- Highly-transparent and low-iron glass provides great light transmission and protection from tough environment
- Solar cells are encapsulated by layers of EVA and Tedlar backsheet that provide excellent moisture resistance and electrical isolation.

### Easy Installation

- Light-weight anodized aluminium frame with SP channel for easy installation
- Special design slot allows easy insertion of mounting bolt into SP channel
- Color coded cable for easy field wiring

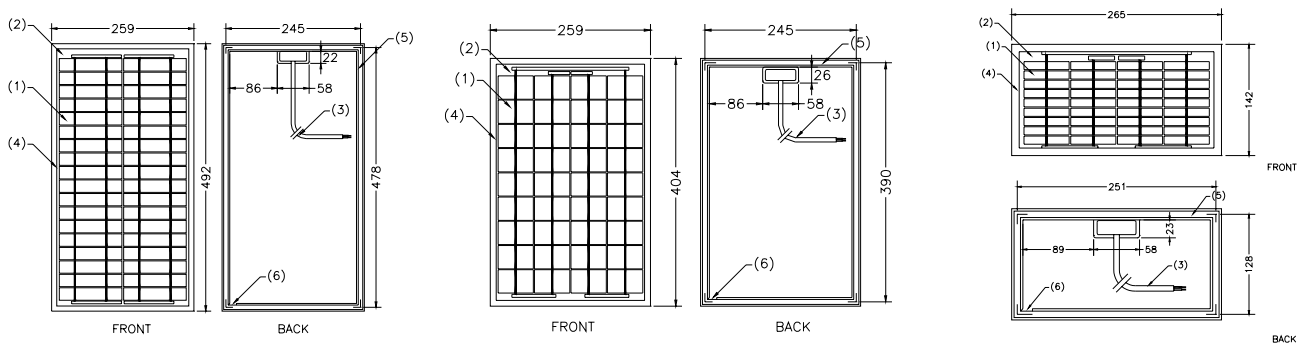
**MG 10 : 10W, 12V, Poly-crystalline Si, Glass/EVA/Tedlar**

Electrical Specifications*		MG10	MG8.5	MG5	MG2.5
Maximum Power ( $P_{max}$ )	[W]	10	8.5	5	2.5
Voltage at $P_{max}$ ( $V_{mp}$ )	[V]	16.5	16.5	16.5	16.5
Current at $P_{max}$ ( $I_{mp}$ )	[A]	0.6	0.5	0.3	0.14
Open-circuit voltage ( $V_{oc}$ )	[V]	21	21	21	21
Short-circuit current ( $I_{sc}$ )	[A]	0.68	0.56	0.34	0.15

\* These data are based on measurement made in accordance with ASTM E1036-85 corrected to STC (Standard Test Conditions), which are Air Mass AM = 1.5, Irradiance  $E = 1000 \text{ W/m}^2$ , Cell Temperature  $T_c = 25^\circ\text{C}$

Mechanical Specifications		MG10	MG8.5	MG5	MG2.5
Outside dimensions (W x H)	[mm]	259 x 492	259 x 404	259 x 265	265 x 142
Thickness	[mm]	20	20	20	20
Weight	[kg]	2.4	2.0	1.3	0.7

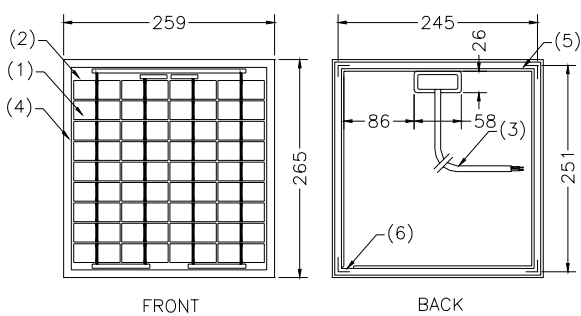
### Dimensions



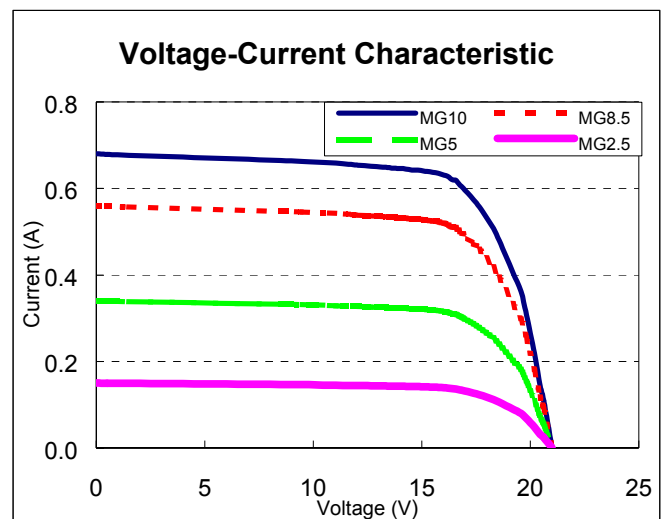
MG10

MG8.5

MG2.5



MG5



(1) Poly-crystalline Silicon Solar Cell, (2) Low-Iron Glass, (3) Color coded 14AWG power cable, (4) EVA/Tedlar white system, (5) Star Power Anodized Aluminium Frame, (6) Bolt Insertion Point (M6 is recommended for mounting)

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