

# Polycrystalline Solar Cell

## MWG-10



Solar MWG produced under the MW Green Power is intended for use as a source of energy in stand-alone systems and can be used to connect to a larger photovoltaic systems. Electrical parameters predispose MWG-10 to power autonomous systems 12V when connecting in parallel, and 24V series connection of two batteries. Number of parallel branches is only limited by the charging controller parameters. Solar MWG-10 are made of polycrystalline silicon target with an efficiency of 10%. Components for construction come from reputable suppliers.

## Quality and safety



Rigorous quality control to ensure the highest international standards of performance



High-transmissive low-iron tempered glass, durable aluminum frame with UV-resistant silicone



ISO 9001:2008, ISO 14001:2004, OHSAS18001



IEC61215, IEC61730, Safety class II, adapted to CE

Electrical data for STC at 1000W/m <sup>2</sup>		
Max power	[W]	10W
V max	[V]	17,49
I max	[A]	0,58
Voc	[V]	21,67
Isc	[A]	8,82
Additional data		
Power tolerance	[%]	±3
Max. System Voltage	[V]	1000
Temperature range	[°C]	from -40 to 85
Mechanical data		
Length	[mm]	330
Width	[mm]	290
Depth	[mm]	25
Weight	[kg]	1,5
Terminal	Type	PV-LH

## Warranty



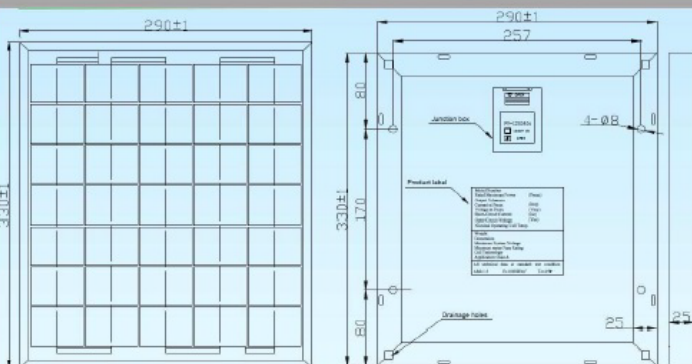
5 years product warranty



15-year warranty for a minimum of 90% of the nominal power



25 years warranty for a minimum of 80% of the nominal power



## Certificates



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