

Key Features of Microtek Solar Panels of MTK100W/12V

- High conversion efficiency based on leading innovative photovoltaic technologies.
- Optimal output over decades, with very good low light response.
- EVA encapsulation for better module protection.
- Ideal for On-Grid as well as Off-Grid applications.
- High efficiency solar cells ensures high performance of solar module and create more power in peak hours.
- **Excellent Generation Performance with reasonable cost, withstands Hail, Snow & Ice Storms**
- Undergoes rigorous Quality Control and more than 20 in-house test. (DH: Damp Heat Test. TC: Thermal Cycling Test HF: Humidity Freeze Test)
- Heavy Duty Anodized aluminum Frames with Pre-drilled holes for Quick Installation
- Salt mist corrosion Resistance and Ammonia Corrosion Resistance
- Postive Tolearnace Modules
- Long Lasting & High Efficiency Modules

ELECTRICAL SPECIFICATIONS

Model No	MTK100W/12V
Solar Panle Voltage (V)	12
Panel Watts	100 Watts
Voltage at Maximum Power (Vmp) in Volts:	17.46
Current at Maximum Power (Imp) in Amps:	5.73
Module Efficiency (%):	12.88
Maximum Series Fuse Rating (A):	15
Power Tolerance:	+ve Tolerance Only
Open Circuit Voltage (Voc) in Volts	21.97
Short Circuit Current (Isc) in Amps:	6.07

MECHANICAL SPECIFICATIONS

Length x width x Thickness (mm)	1150 x 675 x 35
Mounting Holes Pitch (y) mm	575
Mounting Holes Pitch (x) mm	633
Weight Kg	10.15
Solar Cells Per Modules(units)	36 / (9*4)
Solar Cell Type	Multi Crystalline Silicon
Front Cover(Material/Thickness)	Tempered & Low Iron Glass - 3.2mm
Encapsulate	Ethylene Vinyl Acetate
Frame Material	Anodized Aluminum Alloy
Junction Box	IP65 Enclosure with Bypass Diodes