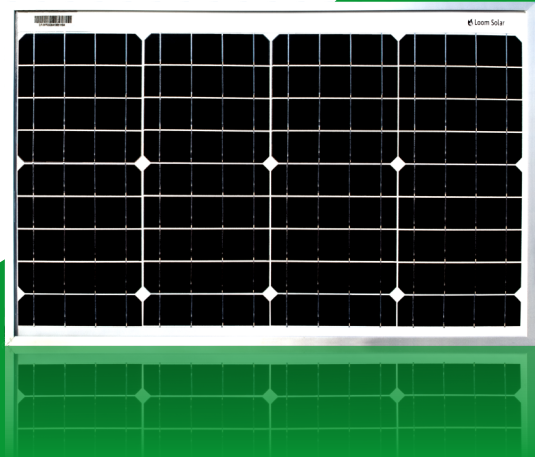


50W

Loom solar 50 watt mono panels are made of A grade mono perk cells and ultra cleared tempered glasses that does not break easily and gives 20-25% higher efficiency even in low light and cloudy weather. Loom solar is only company in india that makes mono panels using perk cells in 12 volt design. The additional feature includes 4 busbars, 36 cells and 25 years performance warranty. IP 67 rated junction box is given with MC4 compatible cable connector for higher module efficiency.



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Features



Best in Class Efficiency

Innovative cell technology ensures optimum solarpower generation providing high value for money upto20%.



Outstanding Durability

With its newly reinforced frame design, Loom Solar 50W can endure a front load up to 6,000Pa, and a rear load up to 5,400Pa.



Enhanced Performance Warranty

After 25 years, Loom Solar 10W is guaranteed at least 80% of initial performance.



Excellent Low-light Performance

Built with high quality glass and solar cell, mono-crystalline gives higher performance in low-light and cloudy weather.



Aesthetic Roof

Loom Solar 50W has been designed with aesthetics in mind. It can increase the value of a property with its modern design.



Application

Perfect for charging Power Bank/Mobile/Small Battery upto 20AH

About Loom Solar Pvt. Ltd.

Loom Solar is India's premium solar brand that manufactures monocrystalline solar panel and AC Module. It is an Indian company headquartered in Faridabad, Haryana

Electrical Parameters

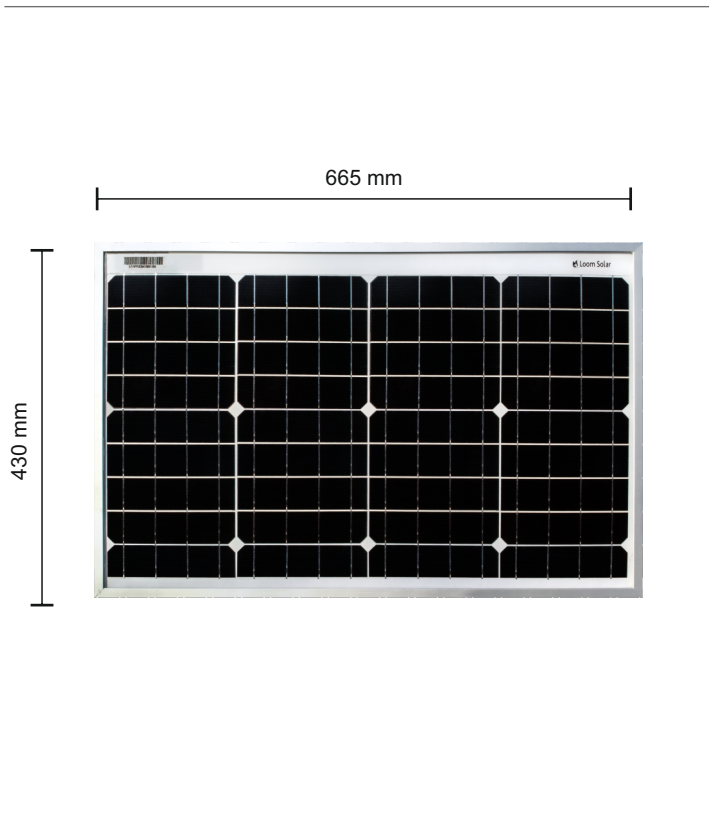
| Model | | 50 Watts | |
|------------------------------|-------------|-------------------|-----------|
| Cell Configurations | [Nos] | 9 x 4 (36) Series | |
| Parameters | | Value | Tolerance |
| Pmax | [W] | 50.00 | ±3.0% |
| Voc | [V] | 23.26 | |
| Isc | [A] | 2.63 | |
| Vmax | [V] | 19.95 | |
| Imax | [A] | 2.51 | |
| Fill Factor | [%] | 81.73 | |
| Module Efficiency | [%] | 17.49 | |
| Maximum System Voltage | [VDC] | 600 | |
| Nominal Operating Cell Temp. | {NOCT} (°C) | 44.0 °C | |
| Temp. Coefficient of Pmax | [%/°C] | -0.43 | |

Electrical values measured at STC: 25°C, 1.5AM, 1000 W/m²

Mechanical Parameters

| | |
|---------------------------|-------------------------------|
| L - Length of Module (mm) | 430 |
| W - Width of Module (mm) | 665 |
| H - Height of Module (mm) | 35 |
| X - Pitch Distance (mm) | 632 |
| Y- Pitch Distance (mm) | 215 |
| G - Grounding Hole (mm) | 6 mm diameter on length side |
| Mounting Hole (mm) | 4 oblong of size 9 mm x 11 mm |
| Junction Box | 2 terminal Junction Box |

Panel Frontside



Panel Backside

