



MIL-PV-50W-M01



High Performance

High-power module using 36 125mm square multi-crystalline silicon cells with 14.3 % module conversion efficiency. Photovoltaic modules with bypass diodes minimize the power drop cause by shade.

High Quality

Advanced EVA encapsulation with highest quality strengthened glass embedded with years of manufacturing experience and quality assurance procedures.

Lifetime Guarantee

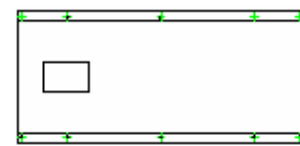
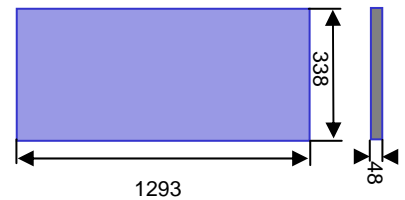
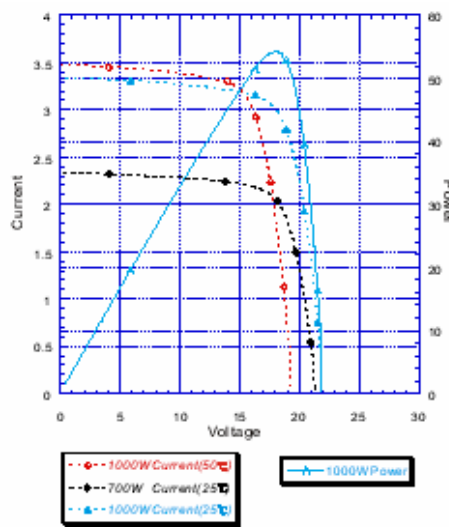
Manufacturer lifetime guarantee for 25 year. Warranty for module 80% performance after 20 years

Features & Benefits

- ☒ High efficiency - maximizing power and reducing installation costs.
- ☒ High energy generating kWh/kWp performance.
- ☒ High power tolerance.
- ☒ High reliability through enhanced processing technology.

Millennium's photovoltaic modules offer industry-leading performance, durability, and reliability for a variety of electrical power requirements. Using breakthrough technology, these modules use a textured cell surface to reduce reflection of sunlight, and structure to improve conversion efficiency. An anti-reflective coating provides uniform blue color and increases the absorption of light in all weather conditions.

Common applications include grid connected houses, solar houses, solar power stations, telecom and cellular base stations, beacons and lighting equipment. Designed to withstand rigorous weather conditions, a junction box is also provided for easy electrical connections in the field, making Millennium's modules the perfect combination of advanced technology and reliability.



Weight: 5.3kg

Max power	50 watt peak +-5%
Max power voltage	17.3 Volts
Max power current	2.9 Amps
Open circuit voltage	21.7 Volts
Short circuit current	3.2 Amps

Cells	Multicrystalline Si, textured and anti-reflectivity layered
Contacts	Redundant contact on each cell for circuit reliability
Laminate	EVA
Front face	Tempered glass with improved light transmission

Note: Test conditions 1 Kw/m, 25°C, AM1.5

Back face	Tough multi layered back sheet tedlar
Frame	Anodized aluminum
Connection Box	1xIP65 with built-in bypass diodes
Grounding connection	Yes
Specification	IEC 61215, class II TUV certificate