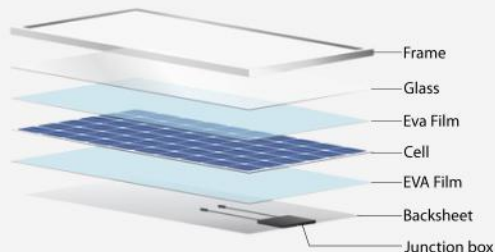


ITS100M-36

Monocrystalline 36 cells 100w-110w



Key Features

- Widely using of the most popular and mature type of modules for off-grid system
- High power output and highest conversion efficiency of 16.51%
- Anti-reflective and anti-soiling surface reduces power loss from dirt and dust
- Outstanding performance in low-light irradiance environments
- Excelent mechanical load resistance: Certified to withstand high wind loads (2400Pa) and snow loads (5400Pa)
- High salt and ammonia resistance certified by TUV NORD

Reliable Quality

- Positive power tolerance: 0+5W
- 100% EL double-inspection ensures modules are defects free
- Modules binned by current to improve system performance
- Potential induced Degradation (PID) Resistant

Guaranteed Performance**

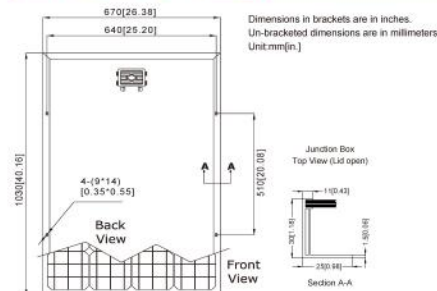
10 Years Manufacturing Warranty

12 Years Warranty 90% Power Output

25 Years Warranty 80% Power Output

Free module recycling through membership in the Ceres Cycle Association

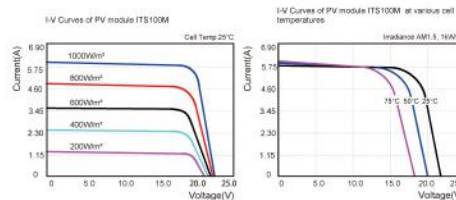
Mechanical Drawings



Electrical Characteristics

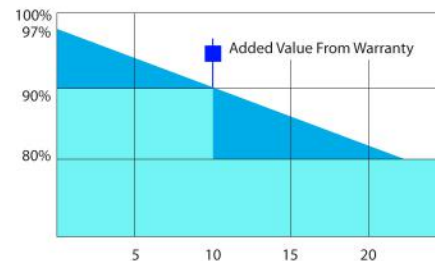
Maximum Power at STC (Pmax)	100W
Short Circuit Current(Isc)	5.87A
Open Circuit Voltage (Voc)	22.4V
Maximum Power Current(Imp)	5.48A
Maximum Power Voltage(Vmp)	18.3V
Module Efficiency	16.01%
Power Tolerance	0+3%

STC: irradiance 1000W/m²



System Integration Parameters

- 10-year product warranty
- 25-year linear power output warranty



Mechanical Specification

Cell Type	Multi Crystalline silicon solar cell
Dimensions(AxBxC)	1030mm(40.16in)x670mm(26.38in)x30mm(1.18in)
Weights	7.74kg(17.06lbs)
Front Glass	3.2mm tempered low iron glass
Frame	Anodized aluminium
Junction Box	IP67, with bypass diodes
Connector	MC4 compatible
Output Cables	TUV, length 900mm, 4.0mm

System Integration Parameters

Maximum system voltage	VDC 1000V
Maximum Series Fuse	15 A
Increased snowload acc.to IEC 61215	5400Pa
Operating Temperature	-40to+85°C
Number of bypass diodes	3

Module temperature 25°C AM=1.5

Temperature Characteristics

Normal Operating Cell Temperature (NOCT)	45C±2 °C
Temperature Coefficient of Pmax	-0.44% °C
Temperature Coefficient of Voc	-0.34% °C
Temperature Coefficient of Isc	0.06% °C

Qualifications And Certificates

