

Electrical Characteristics	IS-20-12, 20W, 12V
Maximum power (Pmax)	20W
Voltage at Pmax (Vmp)	17.2V
Current at Pmax (Imp)	1.16A
Open-circuit voltage (Voc)	21.6V
Short-circuit current (Isc)	1.31A
Temperature coefficient of Voc	(0.065±0.015)%/ °C
Temperature coefficient of Isc	-(80±10)mV/°C
Temperature coefficient of power	-(0.5±0.05)%/ °C
NOCT (Air 20°C; Sun 0.8kW/m wind 1m/s)	47±2°C
Operating temperature	-40°C to 85°C
Maximum system voltage	600V DC
Power tolerance	± 5%

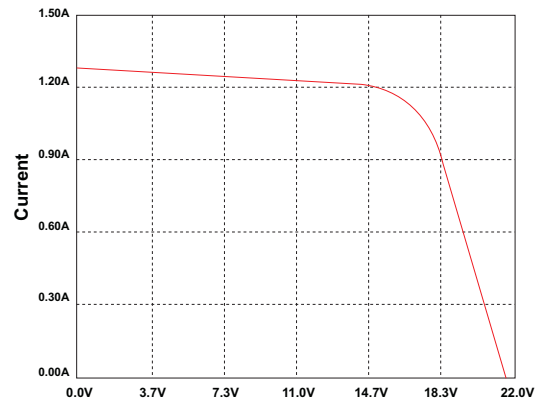
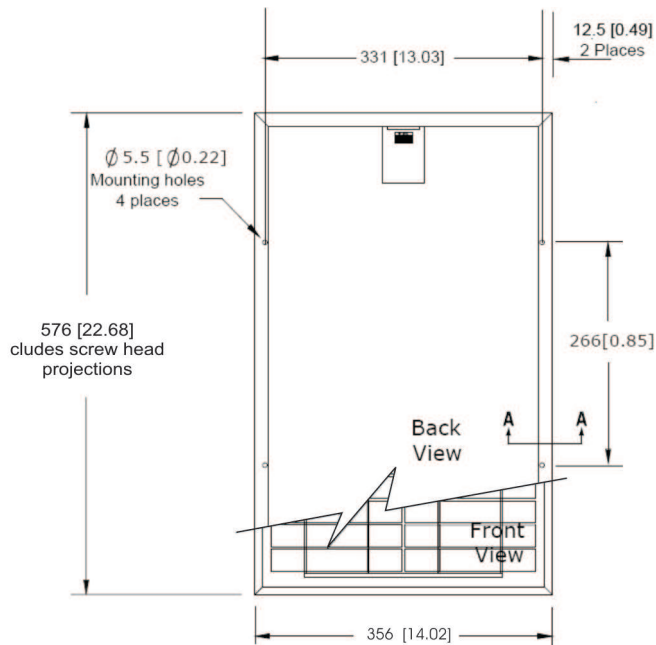
*STC: Irradiance 1000W/m, AM1.5 spectrum, module temperature 25 C

Features

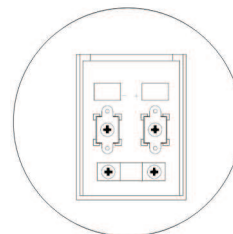
- Nominal 12V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Cells are laminated with TPT and EVA ensuring longer life and maximum performance.
- Rugged design to withstand high wind pressure, hail and snow load.
- Aesthetic appearance.
- 25 years limited power output warranty.
- Custom design capabilities allow us to meet unique customer demands

Module Diagram

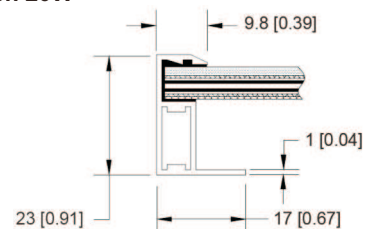
Dimensions in brackets are in inches.
Un-bracketed dimensions are in millimeters.
Unit:mm[in.]



Module IV Graph 20W



Junction Box
Top View (Lid open)



Section A-A

Specifications	IS-20-12, 20W
Cells	Multicrystalline silicon solar cell
No. of cells and connections	36(2X18)
Module Dimension	576mm[22.69in.]x356mm[14.02in.]x23mm[0.91in.]
Weight	2.5kg[5.5lbs]