



## Module Characteristics

- Plus power tolerance  $\pm 3\%$
- High Mechanical load strength  
Product to Withstand high wind loads (5400) and High Snow loads
- Full Automated Production line:
  1. Better soldering
  2. Better cell spacing tolerance  $\pm 0.3\text{mm}$
  3. Better and More Consistent product quality

## I : Typical Electrical Characteristics

Module Type	BSM-50M
Power Max(Pm)	50Wp
Power Tolerance	$\pm 3\%$
Short Circuit Current(Isc)	3.13A
Open Circuit Voltage(Voc)	21.6V
Maximum Power Current(Imp)	2.85A
Maximum Power Voltage(Vmp)	17.6V
NOCT (Nominal Operating Cell Temperature)	47°C
Insulation	$\geq 100\text{M}\Omega$

**Standard Test Conditions (STC):** 1000W/m<sup>2</sup> AM1.5 25°C



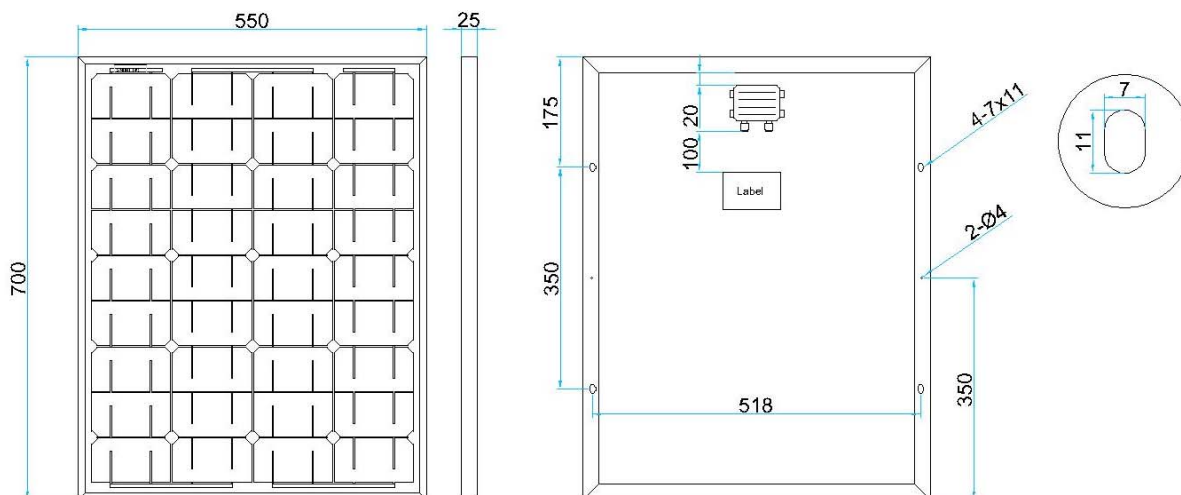
## II: Physical Characters

Cell Dimension	Mono-crystalline silicon 125*125 cell
Front rear Static Load Test (eg:wind)	2400Pa
Front Load Test (eg:snow)	5400Pa
Hailstone Impact Test	25mm hail at 23m/s from 1m distance
Temperature Cycling Range	-40℃ to 85℃ for 200 cycles
Damp Heat Test	85℃ and RH85% relative humidity for
Module Size	700*550*25(mm)

## III: Warranty

5 years product warranty,  
90% power output 12 years  
80% power output 25 years

## IV: Drawing



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