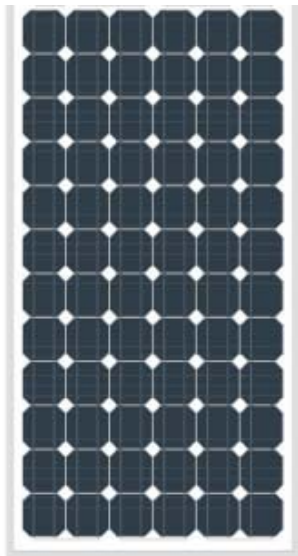


High-efficiency photovoltaic module using silicon nitride coted monocrystalline silicon cells.



- Solar Cell: High efficiency crystalline solar cell. Even if under the weak light, the solar module can produce maximum power output.
- Tempered glass: Anti-reflecting coating and high transmission rate glass increase the power output and mechanical strength of solar module.
- EVA and TPT: Using high quality EVA and TPT to prevent destroying and water.
- Allframe: Without screw, corner connection. 8 holes on the frame can be installed easily.
- Junction box: Multi function junction box with water proof.
- Long lifetime: 25 years; Less power decrease.
- Good performance of preventing from atrocious weather such as wind and hails.
- Resisting moisture and etching effectively, not effect by geology.

采用高转换效率的单晶硅太阳能组件

- 电池片：高转换率电池片即使再弱光条件下，组件也能产生高效率的输出。
- 钢化玻璃：防反射膜和高转换率的玻璃增加了功率的输出和组件的机械强度。
- EVA 和 TPT：采用高性能的 EVA 和 TPT 来防水盒防损害。
- 边框：采用新型的拐角链接。8 个易安装孔方便使用。
- 连接盒：采用防水多功能连接盒。
- 使用寿命：25 年；低功率衰减。
- 良好稳定的运行性能，有效防止恶劣天气诸如大风和冰雹等。
- 有效防止潮湿和湿气的侵蚀，免受地理环境的影响。

机械特性/Mechanical Characteristics

电池片尺寸/Cells Size(mm)	125×125
组件尺寸/Modules Size(mm)	1580×808×40
排列/No. of cells	72 (6×12)
重量/Weight(KG)	16
安装孔数量/No. of Mounting Holes	8
排水孔数量/No. of Waterspout	16

温度系数/Temperature Coefficient

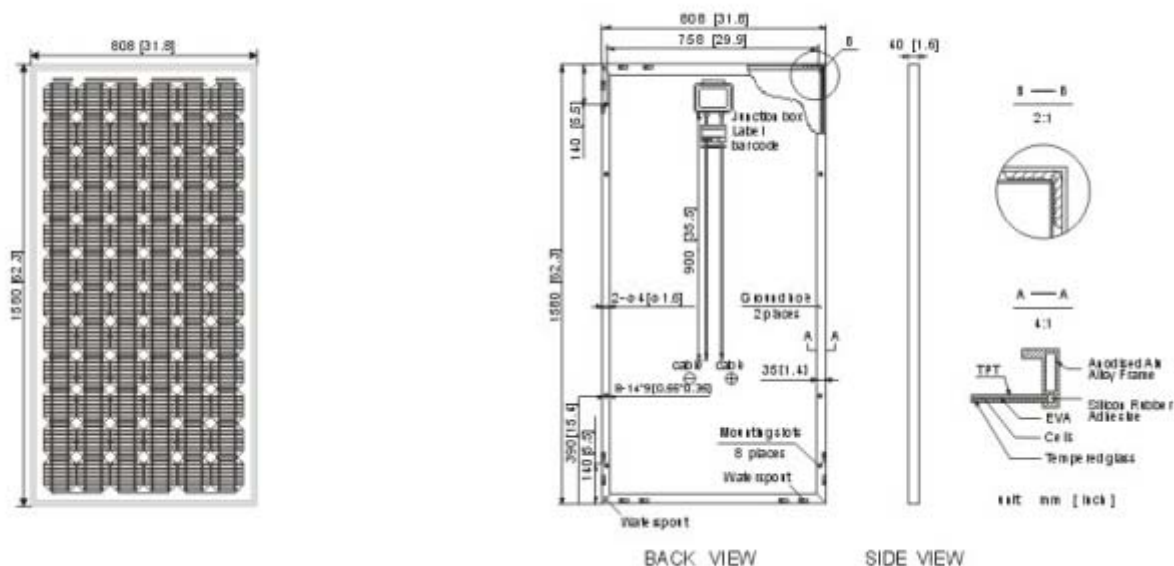
NOCT	47℃ ± 2℃
短路电流温度系数/ Temperature coefficient of Isc	0.03%/℃
开路电压温度系数/ Temperature coefficient of Voc	-0.333%/℃
峰值功率温度系数/ Temperature coefficient of Pmax	-0.459%/℃
输出功率公差/Power Tolerance	± 3%

电性能参数/Electric Characteristics

组件型号/Model	GS-M170/24	GS-M175/24	GS-M180/24	GS-M185/24
Pm	170	175	180	185
Vmp	36.0	36.4	36.8	36.8
Imp	4.72	4.81	4.89	5.03
Voc	44.1	44.2	44.6	44.6
Isc	5.17	5.22	5.30	5.46
Maximum system voltage	1000VDC			

STC : 辐照度 (Irradiance) 1000W/m², 组件温度 (Temperature) 25℃, AM=1.5

■组件示意图/Module Diagram



■电性能曲线/Electrical Curves

