

55% transmittance mono-crystal modules-28 cells
55%透光单晶组件—28片



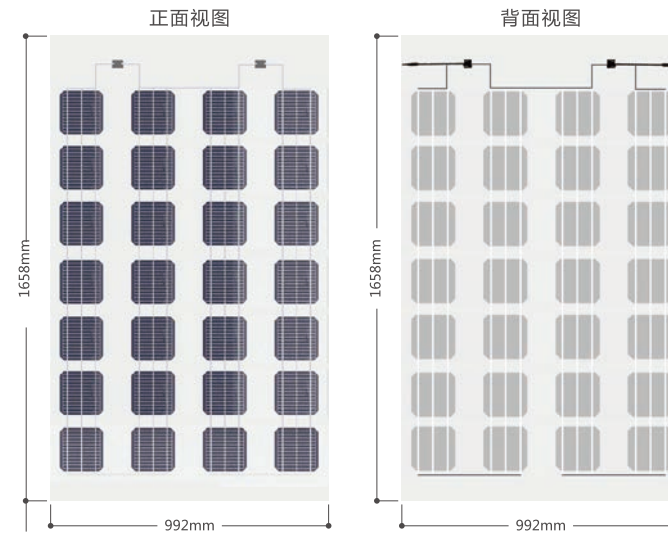
包装信息

Packaging information

| Package Size | Container | 20'GP | 40'GP | 40'HQ |
|------------------|-----------------------|-------|-------|-------|
| 1780×1120×1160mm | pieces for pallet | 36 | 36 | 36 |
| | pallets for Container | 6 | 13 | 26 |
| | pieces for Container | 216 | 468 | 936 |

结构视图

Module Layout



总装图

Components

- Front Glass (2.5mm Low iron semi tempered coated glass)
- Encapsulant (EVA/POE/PVB)
- Cell Type (Mono crystalline 156mm×156mm)
- Encapsulant (EVA/POE/PVB)
- Back Glass (2.5mm Float semi tempered glass)

结构参数

Mechanical Specifications

| Parameter/参数 | Value/数值 |
|----------------------------------|---|
| Cell Type/电池类型 | Mono crystalline/单晶硅 (156mm*156mm) |
| Solar Cells/电池片数量[片] | 28(4*7) |
| Length*Width*Thickness/长*宽*厚[mm] | 1658*992*6 |
| Weight/重量[Kg] | 22.5 |
| Front Glass/前板玻璃[mm] | 2.5 (Low iron semi tempered coated glass/低铁压花半钢化镀膜玻璃) |
| Interlayer/中间层[mm] | EVA/POE/PVB |
| Back Glass/背板玻璃[mm] | 2.5 (Float semi tempered glass/浮法半钢化玻璃) |
| Junction Box/接线盒 | IP67 Rated, 2 by-pass diodes /2个旁路二极管, 满足IP67安全防护等级 |
| Connector/连接器 | Multi-Contact MC-4(or equivalent)/MC-4连接器 (或同类产品) |
| Transmittance/透光率[%] | 55 |
| Maximum Load Capacity/机械负载[Pa] | 2400(风压)/5400(雪压) |

电学性能

Electrical Characteristics

| Parameter/参数 | | | DM28-115 | DM28-120 | DM28-125 | DM28-130 |
|---|--|-------|----------|----------|----------|----------|
| STC : 光谱 AM1.5, 辐照度 1000W/m ² , 电池温度25°C | Maximum Power at STC [Pmax]/标测下最大功率 [W] | | 115 | 120 | 125 | 130 |
| | Open Circuit Voltage [Voc]/开路电压 [V] | | 17.82 | 17.95 | 18.10 | 18.20 |
| | Short Circuit Current [Isc]/短路电流 [A] | | 8.48 | 8.55 | 8.60 | 8.65 |
| | Voltage at Maximum Power point[Vm]/最大功率点电压 [V] | | 14.30 | 14.71 | 15.05 | 15.40 |
| | Current at Maximum Power point[Im]/最大功率点电流 [A] | | 8.04 | 8.16 | 8.30 | 8.46 |
| | Power Tolerance /功率偏差 [%] | | 0~+3% | | | |
| NOCT : 光谱 AM1.5, 辐照度 800W/m ² , 环境温度20°C, 风速1m/s | Module Efficiency/转换效率 [%] | | 6.9 | 7.2 | 7.6 | 7.9 |
| | Maximum Power at NOCT [Pmax]/NOCT下最大功率 [W] | | 86 | 89 | 93 | 96 |
| | Open Circuit Voltage [Voc]/开路电压 [V] | | 16.43 | 16.54 | 16.68 | 16.80 |
| | Short Circuit Current [Isc]/短路电流 [A] | | 6.96 | 7.02 | 7.08 | 7.11 |
| | Voltage at Maximum Power point[Vm]/最大功率点电压 [V] | | 12.94 | 13.29 | 13.62 | 13.90 |
| | Current at Maximum Power point[Im]/最大功率点电流 [A] | | 6.64 | 6.70 | 6.83 | 6.91 |
| Power Tolerance /功率偏差 [%] | | 0~+3% | | | | |

工作范围

Scope of Work

| Parameter/参数 | Unit / 单位 | Value/数值 |
|---|-----------|---------------------------|
| Maximum System Voltage /最大系统电压 | [V] | 1000 DC(IEC)或1500 DC(IEC) |
| Operating Temperature /工作温度范围 | [°C] | -40~85 |
| Nominal Operating Cell Temperature/额定电池工作温度 | [°C] | 45±3 |
| Maximum rated current/最大保险丝额定电流 | [A] | 15 |

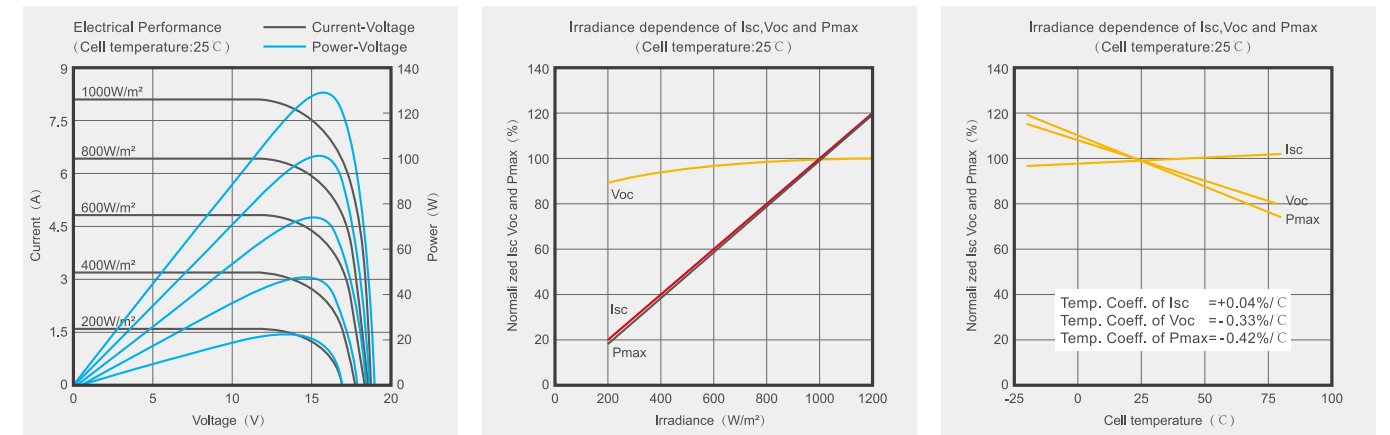
温度系数

Temperature Coefficients

| Parameter/参数 | Unit / 单位 | Value/数值 |
|--|-----------|----------|
| Temperature Coefficient of Pmax/最大功率温度系数 | [%/°C] | -0.42 |
| Temperature Coefficient of Voc/开路电压温度系数 | [%/°C] | -0.33 |
| Temperature Coefficient of Isc/短路电流温度系数 | [%/°C] | 0.04 |

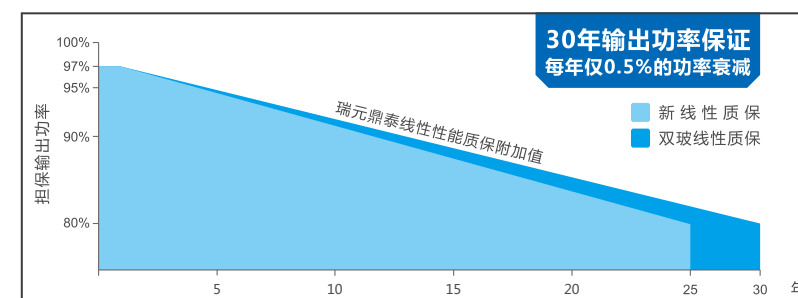
曲线图

Electrical curves



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认证标识

Certification

