

# Technical Data/ 技术参数

## Electrical Characteristics/ 电性能参数

| Module/ 型号规格                       | TOP90(12)<br>1195/541M | TOP95(12)<br>1195/541M | TOP100(12)<br>1195/541M |
|------------------------------------|------------------------|------------------------|-------------------------|
| Maximum Power/峰值功率 (Pmax)          | 90W                    | 95W                    | 100W                    |
| Power Tolerance/最大公差               | ±3%                    | ±3%                    | ±3%                     |
| Maximum Power Voltage /工作电压(Vmp)   | 18V                    | 18.0V                  | 18.2V                   |
| Maximum Power Current/工作电流 (Imp)   | 5.0A                   | 5.28A                  | 5.49A                   |
| Open circuit Voltage/开路电压 (Voc)    | 21.8V                  | 22V                    | 22V                     |
| Short circuit Current /短路电流表 (Isc) | 5.50A                  | 5.76A                  | 5.99A                   |
| Maximum System Voltage/最大系统电压      | 1000V DC               | 1000V DC               | 1000V DC                |

\*STC:Irradiance 1000W/m<sup>2</sup>,module temperature 25°C,AM=1.5

## Mechanical Characteristics/ 机械性能参数

|                              |  |       |    |
|------------------------------|--|-------|----|
| Cell Type/电池片种类              | Mono Crystalline Cell/单晶 125*125mm   |       |    |
| Cell Shape/形状                | rectangular/倒角正方形  |       |    |
| No. of Cell/电池片数量            | 36(4*9)pcs.  |       |    |
| Maximum Wind Resistance      | 60m/s N/m <sup>2</sup> or max Km/h   |       |    |
| Dimensions/外形尺寸              | Length/长   | 1195  | mm |
|                              | Width/宽  | 541   | mm |
|                              | Depth/高  | 30    | mm |
| Installation Dimensions/安装孔距 | Length/长   | 597.5 | mm |
|                              | Width/宽  | 511   | mm |
| Dia/直径                       | Ø7*14 mm   |       |    |
| Weight/重量                    | 7.5 KG   |       |    |
| Other Material/其它材料          | Low iron tempered glass with thickness of 3.2mm, TPT Multi-Laminated Film, EVA Adhesive Film, Anodized Aluminium Frame<br>低铁超白钢化玻璃、TPT背板、EVA胶膜、铝合金边框 |       |    |

## Temperature Characteristics/ 温度系数

|   |               |      |
|---|---------------|------|
| Operating Temperature/组件工作温度范围                        | -40°C ~ +90°C | °C   |
| Storage Temperature/组件存储温度范围                          | -40°C ~ +90°C | °C   |
| Temp. coefficient Voc/开路电压温度系数                        | -0.35±0.02    | %/°C |
| Temp. coefficient Isc/短路电流温度系数                        | +0.04±0.0015  | %/°C |
| Temp. coefficient Power/功率温度系数                        | -0.5±0.05     | %/°C |
| Nominal operating cell temperature<br>电池片额定工作温度(NOCT) | 47°C±2°C      | °C   |

## Module Drawing with measures/ 外型尺寸图

