

ULTRA

N TYPE

防火等级A



优异的弱光发电性能



加强机械载荷



抗 PID

100%检验  
25年保证系统运行超级多主栅技术  
半片N型电池片

SKT565~585M12-120D5

565~585 瓦特

210x182mm 16BB 120片串  
N型单晶半片光伏组件

萨科特N型线性功率保证

89.40%

25 年

89.4% 输出线性功率保证

100%  
99%

89.4%

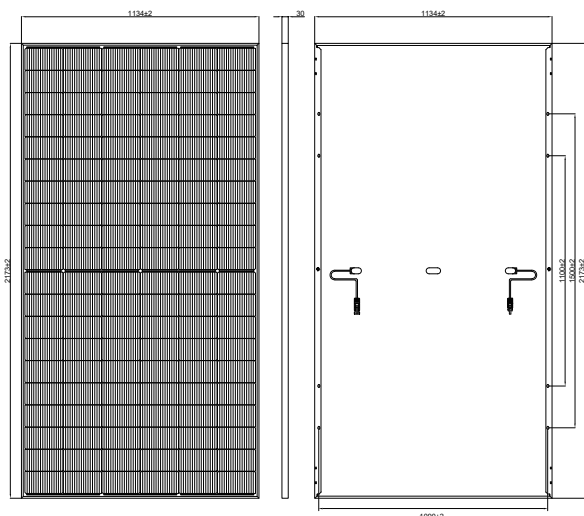
12 年

产品质量工艺保证

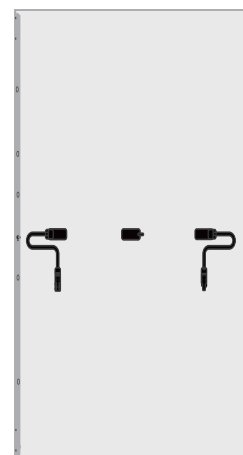
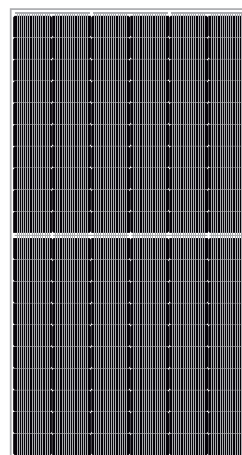
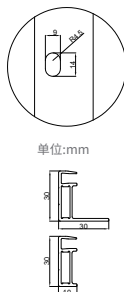


SUNKET - Solar

210x182mm 16BB 120片串  
N型单晶半片光伏组件



\*单位为毫米  
\*上图为产品示意图



| 组件型号          | SKT565M12-120D5    |       | SKT570M12-120D5 |       | SKT575M12-120D5 |       | SKT580M12-120D5 |       | SKT585M12-120D5 |       |
|---------------|--------------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|-----------------|-------|
| 测试条件          | STC                | NMOT  | STC             | NMOT  | STC             | NMOT  | STC             | NMOT  | STC             | NMOT  |
| 最大功率- Pmax(W) | 565                | 426.7 | 570             | 430.4 | 575             | 437.9 | 580             | 437.9 | 585             | 441.7 |
| 开路电压- Voc(V)  | 44.64              | 42.38 | 44.82           | 42.55 | 45.01           | 42.72 | 45.19           | 42.89 | 45.38           | 43.06 |
| 短路电流- Isc(A)  | 16.09              | 13.01 | 16.17           | 13.07 | 16.24           | 13.13 | 16.32           | 13.19 | 16.39           | 13.25 |
| 工作电压- Vmp(V)  | 37.05              | 34.77 | 37.18           | 34.93 | 37.30           | 35.08 | 37.43           | 35.23 | 37.55           | 35.38 |
| 工作电流- Imp(A)  | 15.25              | 12.27 | 15.34           | 12.32 | 15.43           | 12.38 | 15.52           | 12.43 | 15.61           | 12.49 |
| 组件效率-ηm(%)    | 22.93              | /     | 23.13           | /     | 23.33           | /     | 23.54           | /     | 23.74           | /     |
| 功率公差(W)       | (0, +5W)           |       |                 |       |                 |       |                 |       |                 |       |
| 最高系统电压(V)     | 1500Vdc (IEC / UL) |       |                 |       |                 |       |                 |       |                 |       |
| 最大额定熔断电流(A)   | 25A                |       |                 |       |                 |       |                 |       |                 |       |

\*标准测试条件下STC:辐照度1000W/m<sup>2</sup>, 电池温度25°C, 大气质量AM1.5  
\*组件额定工作温度条件下NMOT:辐照度 800W/m<sup>2</sup>,环境温度 20°C, 风速1m/s  
\*测量公差: ±3%    \*功率分档最高至+3%

|      |                                         |
|------|-----------------------------------------|
| 组件尺寸 | 2173x1134x30mm                          |
| 重量   | 25.9kg                                  |
| 电池片  | N型单晶182x105mm (2x60片)                   |
| 玻璃   | 镀膜，3.2mm钢化玻璃，低铁                         |
| 边框   | 阳极氧化铝合金                                 |
| 接线盒  | IP68                                    |
| 输出导线 | 4.0mm <sup>2</sup> ，导线长度：正负极各50cm，可定制长度 |
| 连接器  | MC4兼容                                   |
| 机械载荷 | 正面最大5400Pa，背面最大2400Pa                   |

|      |                  |           |           |
|------|------------------|-----------|-----------|
| 托盘尺寸 | 2203x1140x1254mm |           |           |
| 运输方式 | 40'尺高柜集装箱        | 13.5米平板货车 | 17.5米平板货车 |
| 每托数量 | 37片              | 36片       | 36片       |
| 每柜托数 | 20托              | 20托       | 30托       |
| 每柜数量 | 740片             | 720片      | 1080片     |

|           |            |
|-----------|------------|
| 最大功率温度系数  | -0.290%/°C |
| 开路电压温度系数  | -0.250%/°C |
| 短路电流温度系数  | +0.045%/°C |
| 工作温度范围    | -40~+85°C  |
| 额定工作电池片温度 | 45±2°C     |

Figure 10 consists of two graphs. The left graph shows the effect of incident light intensity on the photocurrent of the device. The y-axis is labeled '电流 (A)' (Current (A)) and ranges from 0 to 20. The x-axis is labeled '电压 (V)' (Voltage (V)) and ranges from 0 to 50. The graph shows five curves for different incident light intensities: 1000 W/m² (red), 800 W/m² (green), 600 W/m² (purple), 400 W/m² (blue), and 200 W/m² (orange). The curves show that the photocurrent increases with increasing incident light intensity. The right graph shows the effect of incident light intensity on the pressure of the device. The y-axis is labeled '压强 (W)' (Pressure (W)) and ranges from 0 to 700. The x-axis is labeled '电压 (V)' (Voltage (V)) and ranges from 0 to 50. The graph shows five curves for the same incident light intensities as the left graph. The curves show that the pressure increases with increasing incident light intensity.