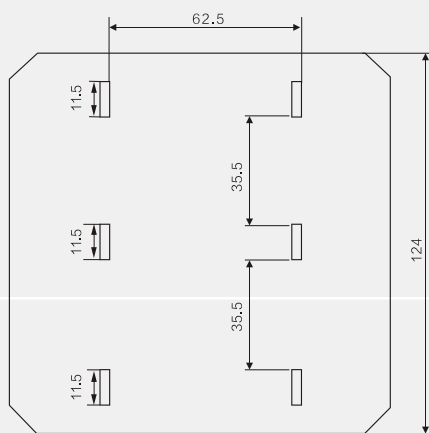
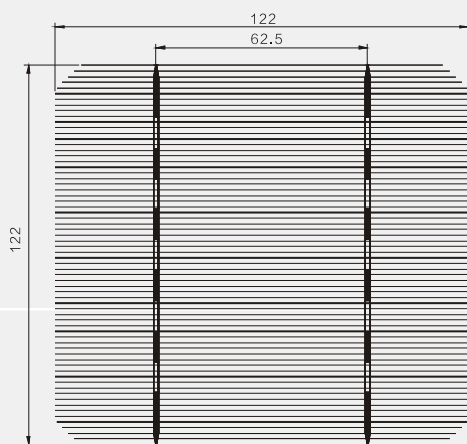


## Monocrystalline cells

### 单晶硅电池片125 × 125小倒角(Φ165) Monocrystalline cells

#### 技术参数 Technical parameters

输出功率 Output power: 2.972~2.709W  
平均转换效率 Average conversion efficiency:  $\geq 18.8\%$   
开路电压 Open-circuit voltage:  $0.63V \pm 0.02V$   
串联电阻 Serial resistance:  $4m\Omega \pm 2m\Omega$   
并联电阻 Parallel resistance:  $80\Omega$  (平均值avg)  
厚度 Thickness:  $200 \pm 20\mu m$



#### 单晶电池电参数 Electric parameters of monocrystalline cells

Model	Efficiency(%)	Pmpp(W)	Umpp(V)	Imp(A)	Uoc(V)	Isc(A)
HH125M165-S6	19.00%-19.20%	2.957	0.536	5.52	0.640	5.85
HH125M165-S5	18.80%-19.00%	2.926	0.534	5.48	0.637	5.81
HH125M165-S4	18.60%-18.80%	2.895	0.533	5.43	0.635	5.77
HH125M165-S3	18.40%-18.60%	2.864	0.531	5.36	0.632	5.74
HH125M165-S2	18.20%-18.40%	2.833	0.530	5.34	0.630	5.69
HH125M165-S1	18.00%-18.20%	2.802	0.530	5.28	0.630	5.62
HH125M165-A5	17.80%-18.00%	2.771	0.530	5.22	0.630	5.56
HH125M165-A4	17.60%-17.80%	2.740	0.528	5.18	0.628	5.52
HH125M165-A3	17.40%-17.60%	2.709	0.526	5.15	0.625	5.48

#### 电池片特点

1. 光电转换效率高
2. 使用寿命长:  $\geq 25$ 年, 衰减小, 工作稳定
3. 先进的扩散技术, 保证片内各处转换效率的均匀性
4. 运用先进的PECVD设备, 采用一流绒面镀膜技术, 颜色均匀美观
5. 应用高品质的金属浆料制作背场和电极, 确保良好的导电性、可靠的附着力和很好的电极可焊性
6. 高精度的丝网印刷图案和高平整度, 使得电池易于自动焊接和切割

#### Cell features

1. High photoelectric conversion rate
2. Long life time:  $\geq 25$  years, small attenuation, stable operation
3. Advanced diffusion technology guarantees uniformity of the conversion rate in
4. Adopting advanced PECVD equipment and first-class sude technology to make the color beautiful and uniform
5. Using good metal paste to make back field and electrode in order to guarantee the fine conductivity, reliable adhesion and good weldability of electro
6. Screen print pattern of high precision and good evenness make it easy to weld and cut the cells automatically