



**JHPVTECH**

TEL : +86 15258241934 WEB : [www.jhptech.com](http://www.jhptech.com) Email : [Sales@jhptech.com](mailto:Sales@jhptech.com)

# 210 P Mono-crystalline Silicon Solar Cell

efficiency of testing production

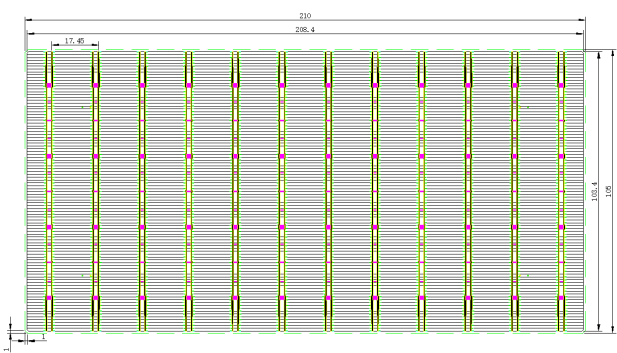
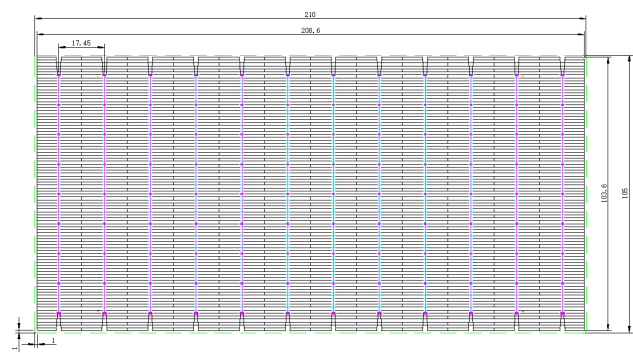
## 22.2~23.2%



Dimension : 210mm×105mm±0.5mm Cell

Thickness : 150μm±10μm

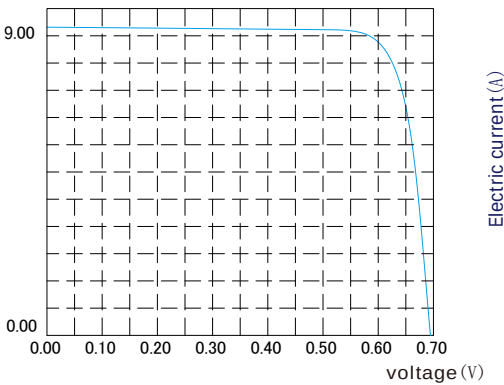
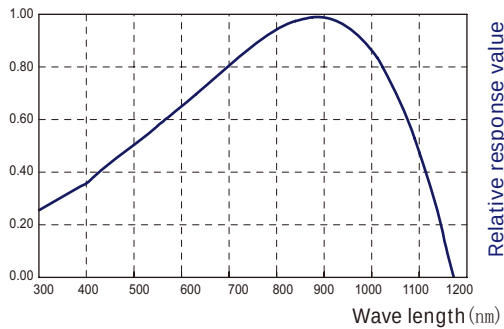




Electrical performance

| Conversion efficiency | Peak power | Peak voltage | Peak current | Open-circuit   | Short-circuit  |
|-----------------------|------------|--------------|--------------|----------------|----------------|
| NCell(%)              | Pmpp(W)    | Vmp(V)       | Imp(A)       | voltage Voc(V) | current Isc(A) |
| 23.2                  | 5.115      | 0.591        | 12.965       | 0.692          | 13.593         |
| 23.1                  | 5.093      | 0.590        | 12.924       | 0.691          | 13.584         |
| 23.0                  | 5.071      | 0.589        | 12.888       | 0.690          | 13.577         |
| 22.9                  | 5.049      | 0.588        | 12.850       | 0.689          | 13.568         |
| 22.8                  | 5.027      | 0.587        | 12.819       | 0.688          | 13.560         |
| 22.7                  | 5.005      | 0.586        | 12.785       | 0.687          | 13.554         |
| 22.6                  | 4.983      | 0.585        | 12.755       | 0.686          | 13.548         |
| 22.5                  | 4.961      | 0.584        | 12.729       | 0.684          | 13.541         |
| 22.4                  | 4.939      | 0.582        | 12.709       | 0.683          | 13.534         |
| 22.3                  | 4.917      | 0.580        | 12.685       | 0.681          | 13.528         |
| 22.2                  | 4.895      | 0.579        | 12.652       | 0.680          | 12.501         |

Spectral response characteristic



Current-voltage characteristic curve

Physical Characteristics

|                    |                                           |           |              |
|--------------------|-------------------------------------------|-----------|--------------|
| Substrate material | 210 P Mono-crystalline Silicon Solar Cell | Front (-) | 9*0.1±0.05mm |
| Cell thickness     | 150μm±10μm                                |           |              |
| Dimension          | 210mm×105mm±0.5mm                         | Back (+)  | 1.4±0.5mm    |