



# SHENZHEN ZHIHE SLOAR ELECTORIC CO.,ltd

Building, Room 1012 Led Solar Silicon Valley Queshan Dalang Longhua ShenZhen

Web:www.zhihesolar.com

<b>Model(ZH30CE-18P)Specifications</b>	
<b>ITEM NO.:</b>	<b>ZH30CE-18P</b>
Maximum Power(W)	30
Optimum Power Voltage(Vmp)	17.49
Optimum Operatige Current(Imp)	1.71
Open Circuit Voltage(Voc)	21.67
Short Circuit Current(Isc)	1.83
Solar Cell:	156*39 Poly
Number of Cell(pcs)	3*12
Brand Name of Solar Cells	Jetion Cell
Size of Module(mm)	545*515*28
Front Glass Thikness(mm)	3.2
Temperature Coefficients of Isc(%) <sup>°C</sup>	+0.04
Temperature Coefficients of Voc(%) <sup>°C</sup>	-0.38
Temperature Coefficients of Pm(%) <sup>°C</sup>	-0.47
Temperature Coefficients of Im(%) <sup>°C</sup>	+0.04
Temperature Coefficients of Vm(%) <sup>°C</sup>	-0.38
Temperature Range	-40 <sup>°C</sup> to +85 <sup>°C</sup>
Tolerance Wattage(e.g.+/-5%)	±5%
Surface Maximum Load Capacity	2400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	3.90
Bypass Diode Rating(A)	10
Cell Efficiency (%)	13.69%
Module Efficiency (%)	10.68%
Frame(Material Corners,etc.)	28#
Backing (Brand Type)	TPT
Warranty	90% of 10 years,80% of 25 years.
Standard Test Conditions	AM1.5 1000W/m <sup>2</sup> 25 +/-2 <sup>°C</sup>
FF (%)	70-76%

## Model(ZH30CE-18P)

## Specification

### ZhiHe Solar Module

Using high quality materials to provide high quality solar modules

- 1.Solar cells:Jetion cells
- 2.Glass:Fiat 's from Shanghai
- 3.EVA:First Hot-Melt Adhesive from Hangzhou China
- 4.TPT:JOLYWOOD from Suzhou,China
- 5.Junction box and connectors:GZX from Cixi,China or Rehe from Cixi,China
- 6.Silica gel:Dow Corning

