

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

Web:www.zhihesolar.com

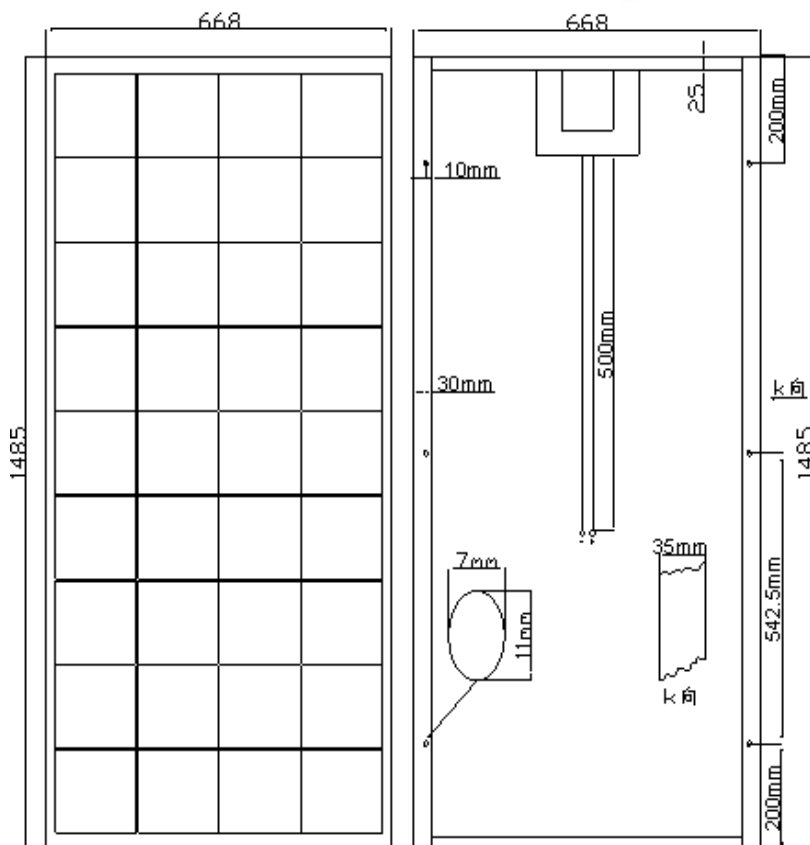
<b>Model(ZH110CE-18P)Specifications</b>	
<b>ITEM NO.:</b>	<b>ZH110CE-18P</b>
Maximum Power(W)	110
Optimum Power Voltage(Vmp)	17.13
Optimum Operatige Current(Imp)	6.42
Open Circuit Voltage(Voc)	21.63
Short Circuit Current(Isc)	6.87
Solar Cell:	156*156 Poly
Number of Cell(pcs)	4*9
Brand Name of Solar Cells	Jetion Cell
Size of Module(mm)	1485*668*35
Front Glass Thikness(mm)	3.2
Temperature Coefficients of Isc(%)°C	+0.04
Temperature Coefficients of Voc(%)°C	-0.38
Temperature Coefficients of Pm(%)°C	-0.47
Temperature Coefficients of Im(%)°C	+0.04
Temperature Coefficients of Vm(%)°C	-0.38
Temperature Range	-40°C to +85°C
Tolerance Wattage(e.g.+/-5%)	±5%
Surface Maximum Load Capacity	2400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	11.6
Bypass Diode Rating(A)	10
Cell Efficiency (%)	13.00%
Module Efficiency (%)	12.09%
Frame(Material Corners,etc.)	35#
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°C
FF (%)	70-76%
Packing	Wooden box
1*20'	20Pallets / 486pcs
1*40'STD	44Pallets / 1012pcs

## Model(ZH110CE-18P) Specification

### ZhiHe Solar Module

Using high quality materials to provide  
high quality solar modules

- 1.Solar cells:Jetion cells
- 2.Glass:Fiatt '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



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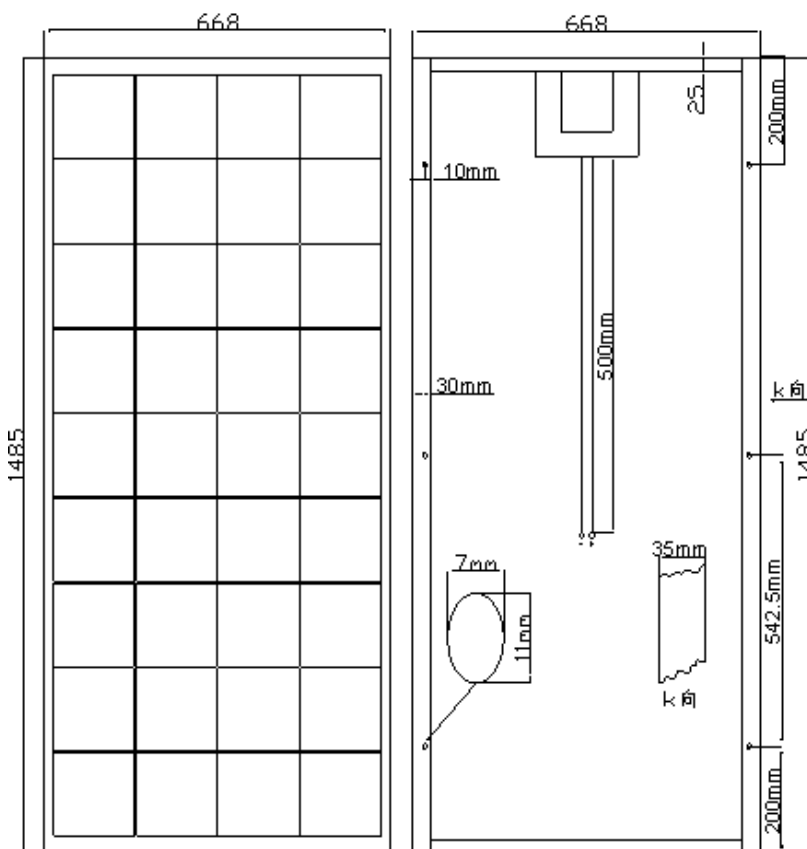
<b>Model(ZH120CE-18P)Specifications</b>	
<b>ITEM NO.:</b>	<b>ZH120CE-18P</b>
Maximum Power(W)	120
Optimum Power Voltage(Vmp)	17.49
Optimum Operatige Current(Imp)	6.86
Open Circuit Voltage(Voc)	21.67
Short Circuit Current(Isc)	7.34
Solar Cell:	156*156 Poly
Number of Cell(pcs)	4*9
Brand Name of Solar Cells	Jetion Cell
Size of Module(mm)	1485*668*35
Front Glass Thickness(mm)	3.2
Temperature Coefficients of Isc(%)°C	+0.04
Temperature Coefficients of Voc(%)°C	-0.38
Temperature Coefficients of Pm(%)°C	-0.47
Temperature Coefficients of Im(%)°C	+0.04
Temperature Coefficients of Vm(%)°C	-0.38
Temperature Range	-40°C to +85°C
Tolerance Wattage(e.g.+/-5%)	±5%
Surface Maximum Load Capacity	2400Pa
Allowable Hail Load	23m/s ,7.53g
Weight Per Piece(KG)	11.6
Bypass Diode Rating(A)	10
Cell Efficiency (%)	13.69%
Module Efficiency (%)	12.09%
Frame(Material Corners,etc.)	35#
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°C
FF (%)	70-76%
Packing	Wooden box
1*20'	20Pallets / 486pcs
1*40'STD	44Pallets / 1012pcs

## Model(ZH120CE-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





# SHENZHEN ZHIHE SLOAR ELECTORIC CO.,Ltd

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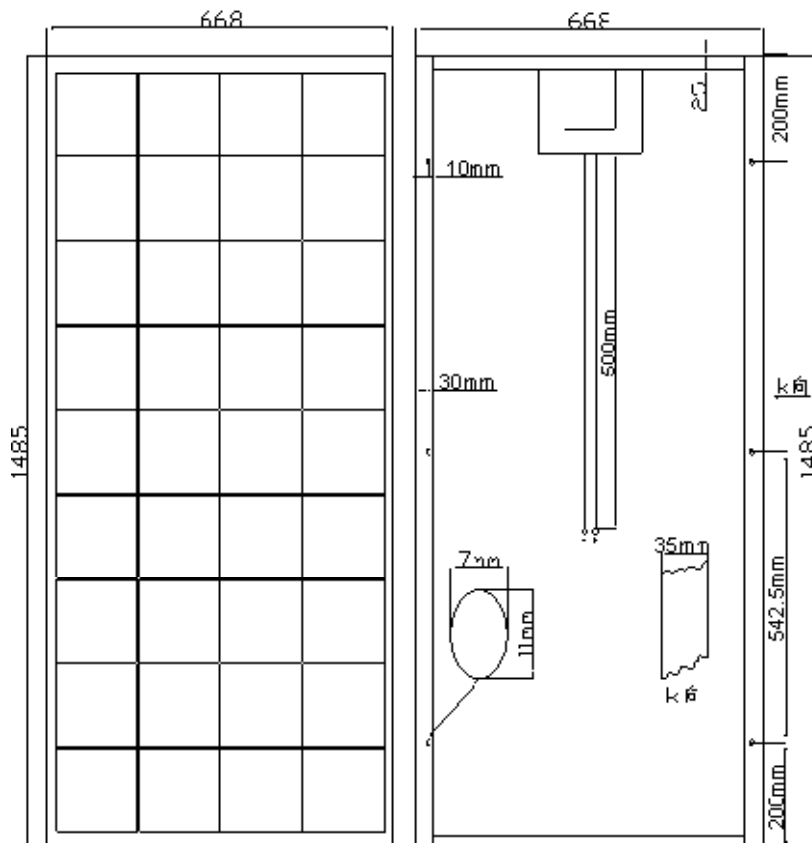
<b>Model(ZH130CE-18P)Specifications</b>	
<b>ITEM NO.:</b>	<b>ZH130CE-18P</b>
Maximum Power(W)	130
Optimum Power Voltage(Vmp)	18.00
Optimum Operatige Current(Imp)	7.20
Open Circuit Voltage(Voc)	21.74
Short Circuit Current(Isc)	7.72
Solar Cell:	156*156 Poly
Number of Cell(pcs)	4*9
Brand Name of Solar Cells	Jetion Cell
Size of Module(mm)	1485*668*35
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)	11.6
Bypass Diode Rating(A)	10
Cell Efficiency (%)	14.83%
Module Efficiency (%)	13.10%
Frame(Material Corners,etc.)	35#
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%
Packing	Wooden box
1*20'	20Pallets / 486pcs
1*40'STD	44Pallets / 1012pcs

**Model(ZH130CE-18P)  
Specification**

**ZhiHe Solar Module**

Using high quality materials to provide high quality solar modules

- 1.Solar cells:Jetion cells
- 2.Glass:Flat '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



# IV Curve

