

MONO

# 108Half-Cells



V182 series, monofacial module

## Features



### High PID resistant

Advanced cell technology and qualified materials lead to high resistance to PID



### High module efficiency

Advanced module technology delivers superior module efficiency



### Current sorting process

System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage



### Low-light Performance

Positive tolerance of up to 5W delivers higher output reliability



### Extended wind and snow load tests

Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal)



### High system voltage Compatible

Maximum 1500VDC system voltage saves total system cost

Certifications and standards:  
IEC 61215, IEC 61730, conformity to CE



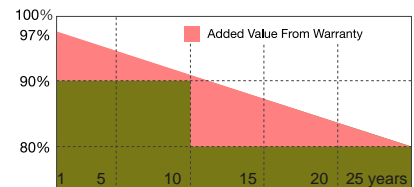
Chinayard Co.,LTD designs, manufactures and delivers high efficient solar modules to the world.

Founded in 2009, Chinayard is well known for its advanced technology, reliable product quality, and excellent customer service.

As one of leading PV enterprises, Chinayard has delivered more than 2.0G of solar products to residential, commercial, utility and off-grid projects all around the world.

## Superior Warranty

- 12-year product warranty
- 25-year linear power output warranty



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Version: CYC\_V202104\_EN

All information and data are subject to change without notice.

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## Electrical characteristics at Standard Test Conditions(STC)

Model	CYC-V182-MF108-405M	CYC-V182-MF108-410M	CYC-V182-MF108-415M	CYC-V182-MF108-420M
Maximum Power(Pm)	405Wp	410Wp	415Wp	420Wp
Cell type	Mono	Mono	Mono	Mono
Optimum Operating Current(Imp)	12.97A	13.03A	13.13A	13.21A
Short Circuit Current (Isc)	13.88A	13.94A	14.05A	14.13A
Optimum Operating Voltage(V)	31.22V	31.45V	31.6V	31.79V
Open Circuit Voltage(Voc)	37.11V	37.39V	37.56V	37.79V
Maximum System Voltage	1500V			
Module efficiency	20.74%	21.00%	21.25%	21.51%
Standard Test Conditions (STC): Irradiance 1,000 W/m <sup>2</sup> ; AM 1.5; module temperature 25°C. Measuring uncertainty of power: ±3%. Certified in accordance with IEC 61215, IEC 61730-1/2 and UL 1703.				

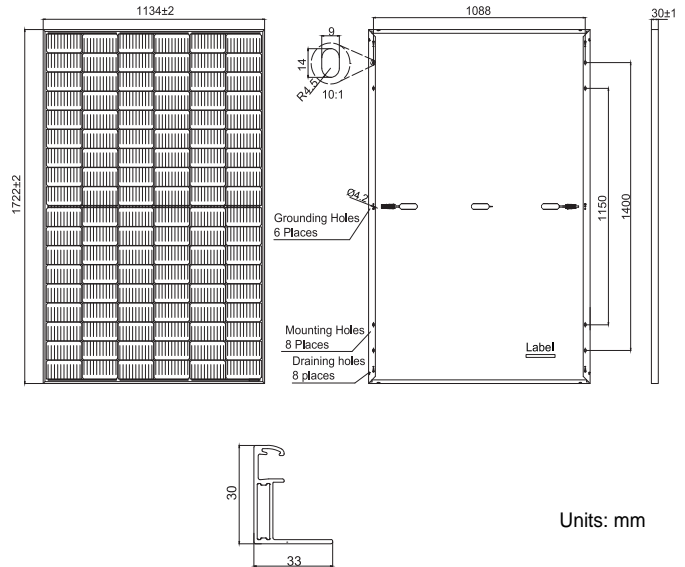
## Temperature Characteristics

Nominal Operating Cell Temperature(NOCT)	45±2°C
Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of ISC	+0.48%/°C

## Material Characteristics

Dimension	1722*1134*30mm
Weight	Appro 21.5kgs
Frame	Anodized aluminum alloy
Front Glass	low-iron tempered glass ,3.2mm
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Sheet	Composite film
Cells (quantity/material)	108 piece solar cells
Junction Box	IP68
Cable&Connector	4mm <sup>2</sup> , +400mm, -200mm Length can be customized

## Dimensions and Structure



Units: mm

## Packaging

36pcs/pallet,  
216pcs/20GP, 936pcs/40HC

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