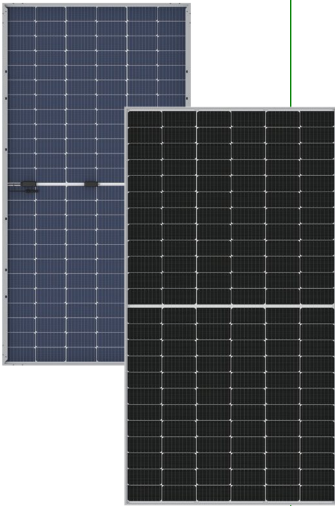


MONO

# 144 Half Cells



V182 series, bifacial 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



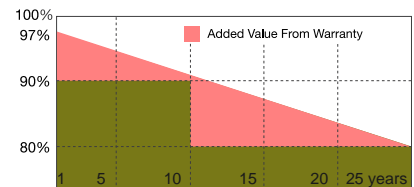
Chinayard Co.,LTD designs, manufactures and delivers high efficient solar modules to the world.

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



Chinayard distributor



Chinayard Co.,LTD

Version: CYC\_V201911\_EN

All information and data are subject to change without notice.

Email:chinayardliu@126.com

www.chinayard.com

## Electrical characteristics at Standard Test Conditions(STC)

Model	CYC-V182-BF144-540M	CYC-V182-BF144-545M	CYC-V182-BF144-550M	CYC-V182-BF144-555M
Maximum Power(Pm)	540Wp	545Wp	550Wp	555Wp
Cell type	Mono	Mono	Mono	Mono
Optimum Operating Current(Imp)	12.97A	13.04A	13.10A	13.18A
Short Circuit Current (Isc)	13.87A	13.95A	14.02A	14.10A
Optimum Operating Voltage(V)	41.63V	41.78V	41.96V	42.09V
Open Circuit Voltage(Voc)	49.49V	49.67V	49.88V	50.04V
Maximum System Voltage	1500V			
Module efficiency	20.90%	21.10%	21.29%	21.48%

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.

## Electrical Characteristics With Different Rear Side Power Gain (Reference to 545W Front)

Backside Power Gain	5%	10%	15%	20%	25%
Maximum Power(Pm)	572	600	627	654	681
Optimum Operating Current(Imp)	13.74A	14.40A	15.03A	15.68A	16.34A
Short Circuit Current (Isc)	14.36A	15.12A	15.86A	16.65A	17.40A
Optimum Operating Voltage(V)	41.63V	41.63V	41.69V	41.69V	41.69V
Open Circuit Voltage(Voc)	49.49V	49.49V	49.56V	49.56V	49.56V

## Temperature Characteristics

Nominal Operating Cell Temperature 45±2°C

Temperature Coefficient of Pmax -0.42%/°C

Temperature Coefficient of Voc -0.32%/°C

Temperature Coefficient of ISC +0.05%/°C

## Material Characteristics

Dimension 2094\*1038\*35mm

Weight Appro 31.8kgs

Cells (quantity/material) 144 pieces solar cells

Junction Box IP68, 3 diodes

Cable&Connector 4mm<sup>2</sup>, +400mm,-200mm  
Length can be customized

## Packaging

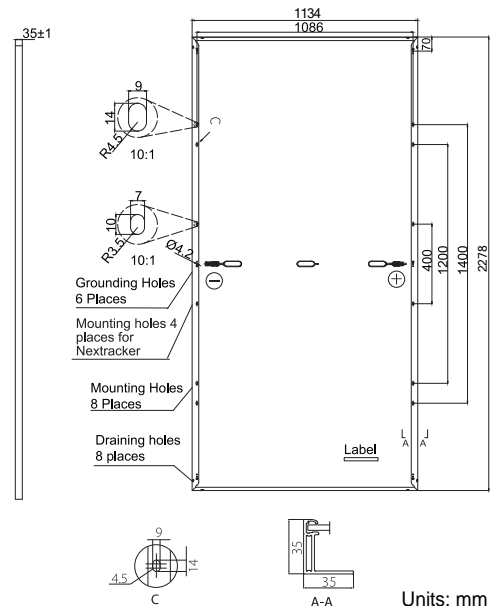
31pcs/pallet

155/pcs/20GP, 620pcs/40HC

Chinayard distributor



## Dimensions and Structure



Units: mm