

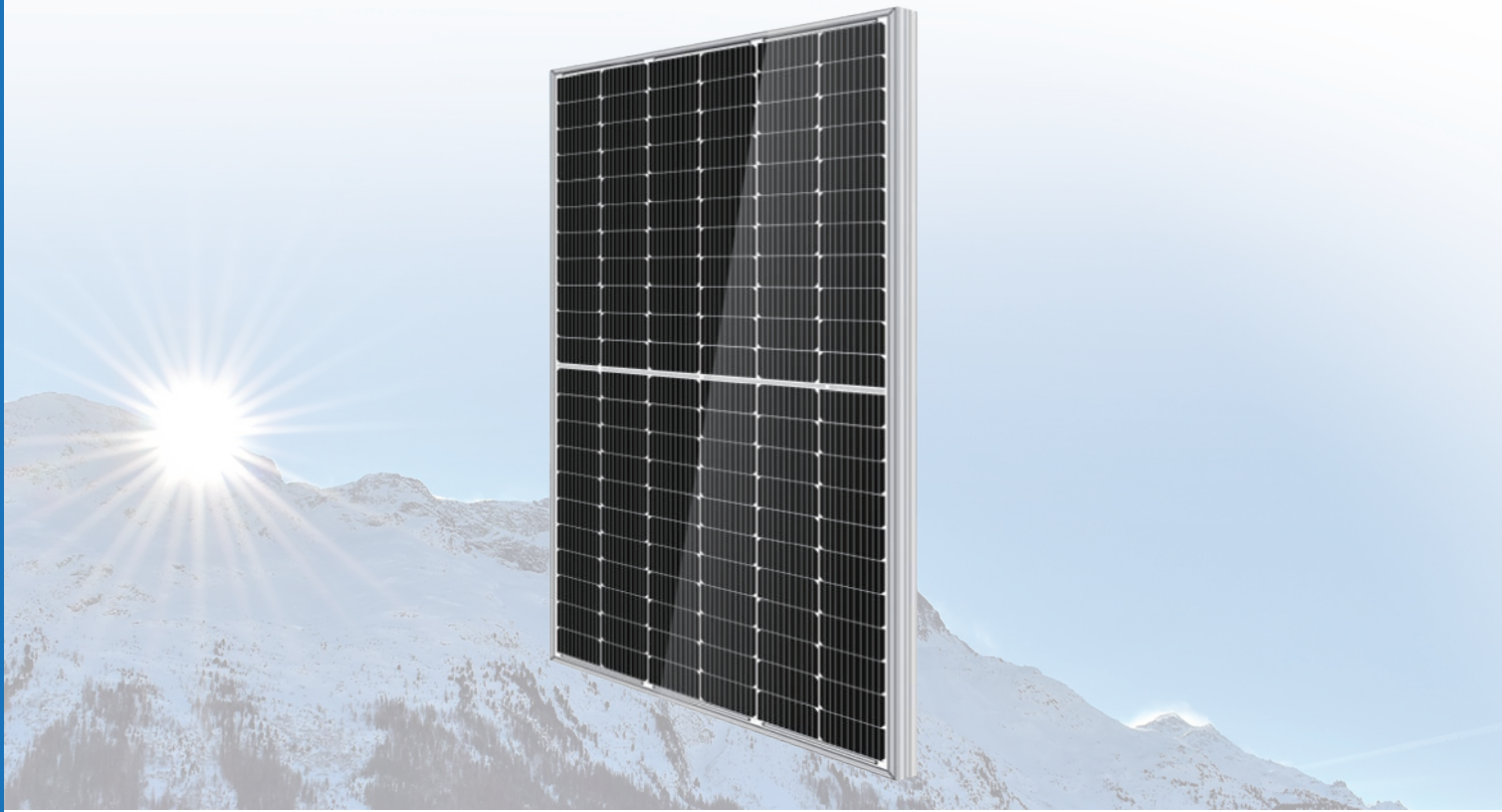
HoRay Solar

禾润电力

HS182 *182-M-66-MH

Rated Power 485-510W

Monocrystalline



MBB Cell

New circuit design, lower internal current, lower internal resistance loss.



Low Light Features

Higher performance under low light environment.



Higher Output Power

Module adopts 132 pcs of 182*182mm half cells, the maximum power can reach 510W.



PID Protection

Ensure the attenuation probability caused by PID phenomenon is minimized .



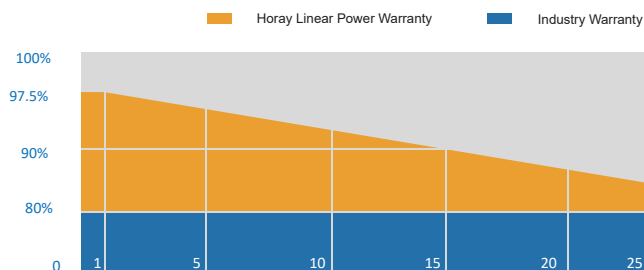
Harsh Environmental Adaptability

Strict salt spray and ammonia corrosion test by TUV Nord.



Load Capacity

Mechanical load tests including wind load 2400 Pa and snow load 5400 Pa done by TUV Nord.



IEC 61215
IEC 61730



IEC 61215 IEC 61730 with
China Standard GB/T9535-1995



TUV Standard



ISO 9001:2015

Headquarter : HoRay Solar Co.,Ltd.

NO.30-5, Yanxin East Road,Huishan District,Wuxi City,Jiangsu Province,21400,P.R China

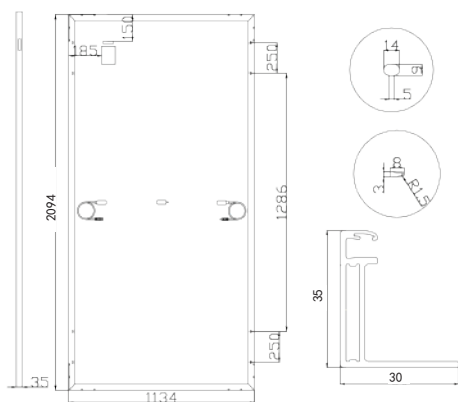
Branch Factory : Wuxi My Solar Technology Co.,Ltd.

Jinchang Road,Huishan Sub-District,Wuxi City,Jiangsu,China

+86-510-83580688 sales@horaysolar.com www.horaysolar.com

+86-510-83230080 sales@mysolar.cn www.mysolar.cn

MECHANICAL DIAGRAMS



SPECIFICATIONS

| | |
|------------------------|--|
| Weight | 26kg |
| Dimensions | 2094mm*1134mm*35mm |
| Cell Dimensions | 182*182mm |
| Cell Amount | 66 *2 pcs |
| Maximum System Voltage | 1500V |
| Junction Box | IP68 |
| Frame | Aluminum Alloy |
| Cable | 4mm ² , Landscape: N 1300mm/P 1300mm Portrait: N 200mm/P 300mm |
| Connector | MC4 compatible |
| Application Level | Class A |

ELECTRICAL PARAMETERS AT STC

| | | | | | | |
|-----------------------|--------|--------|--------|--------|--------|--------|
| Power | 485W | 490W | 495W | 500W | 505W | 510W |
| Open Circuit Voltage | 44.70V | 44.90V | 45.10V | 45.30V | 45.50V | 45.70V |
| Short Circuit Current | 13.68A | 13.73A | 13.78A | 13.83A | 13.89A | 13.94A |
| Maximum Power Voltage | 37.20V | 37.40V | 37.60V | 37.80V | 38.00V | 38.20V |
| Maximum Power Current | 13.04A | 13.10A | 13.17A | 13.23A | 13.29A | 13.35A |
| Module Efficiency | 20.42% | 20.64% | 21.85% | 21.06% | 21.27% | 21.48% |

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

ELECTRICAL PARAMETERS AT NMOT

| | | | | | | |
|-----------------------|--------|--------|--------|--------|--------|--------|
| Power | 357W | 360W | 364W | 368W | 372W | 375W |
| Open Circuit Voltage | 41.70V | 41.90V | 42.10V | 42.30V | 42.50V | 42.70V |
| Short Circuit Current | 11.02A | 11.07A | 11.12A | 11.17A | 11.22A | 11.27A |
| Maximum Power Voltage | 34.60V | 34.80V | 35.00V | 35.20V | 35.40V | 35.60V |
| Maximum Power Current | 10.32A | 10.35A | 10.40A | 10.45A | 10.51A | 10.53A |
| Module Efficiency | 15.03% | 15.16% | 15.33% | 15.50% | 15.67% | 15.80% |

* Under Nominal Module Operating Temperature (NMOT), irradiance of 800 W/m², spectrum AM 1.5, ambient temperature 20°C, wind speed 1 m/s.

TEMPERATURE CHARACTERISTICS

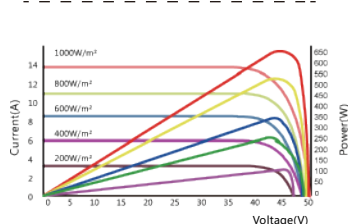
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|-------------------------|-----------|--------------------------|-----------|
| NMOT | 45±2°C | Temp Coefficient of ISC | +0.05%/°C |
| Temp Coefficient of VOC | -0.28%/°C | Temp Coefficient of Pmax | -0.36%/°C |

PACKING CONFIGURATION

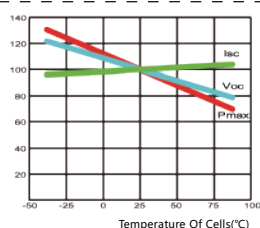
| | | | |
|---------------------|---|----------------------|------------|
| Modules/Pallet | 31 Pieces | Modules/40'Container | 682 Pieces |
| Packing Description | 22 Pallets, Total=(31+31)x11=682 Pieces | | |

CHARACTERISTICS

HS182-132M-485W



HS182-132M-485W



MAXIMUM RATING

| | |
|-----------------------|---------------|
| Output Tolerance | 0~±3% |
| Operating Temperature | -40°C~+85°C |
| Wind Load/Snow Load | 2400pa/5400pa |
| Fuse Current | 25A |

15 YEARS

Quality Warranty

25 YEARS

Power Warranty