

520
Watts

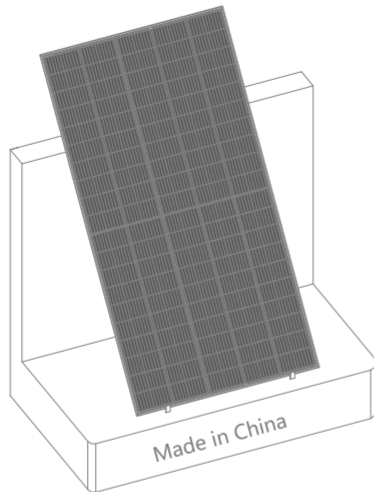
Efficient photovoltaic modules

12
years

product warranty

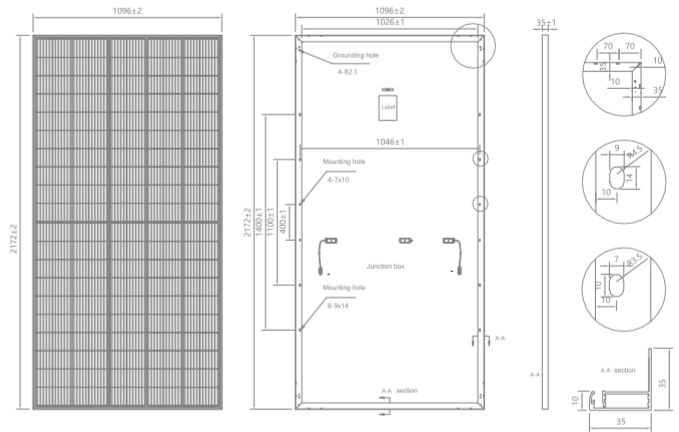
25
years

Limited power warranty of 84% of the minimum specified power rating



Dimensions of PV Module(mm):

| | |
|-------------|----------------|
| Dimensions: | 2172*1096*35mm |
| Weight: | 26.4 kg(±3%) |



Electrical specifications:

| | | |
|---|----------------|---------|
| Module Type: | ZY520G12NH-100 | |
| Nominal Peak Power:(Pmax)STC/NMOT±3% | (w): 520 | 389.0 |
| Max.Power Voltage:(Vmp)STC/NMOT | (V): 30.25 | 28.13 |
| Max.Power Current:(Imp)STC/NMOT | (A): 17.19 | 13.83 |
| Open-circuit Voltage:(Voc)STC/NMOT ±3% | (V): 36.20 | 33.67 |
| Short-circuit Current:(Isc)STC/NMOT ±3% | (A): 18.07 | 14.62 |
| Module Efficiency:(nm) | (%): | 22.5 |
| Power Selection | (W): | 0~+5 |
| Operating Temperature: | (°C): | -40~+85 |
| Max. Series Fuse Rating: | (A): | 30 |
| Max. System voltage:(DC) | (V): | 1500 |

STC: rradiance 1000 W/m²,module temperature 25°C,AM1.5;

NMOT: rradiance 800 W/m²,module temperature 20°C,AM 1.5,wind speed 1 m/s.

Mechanical Specifications

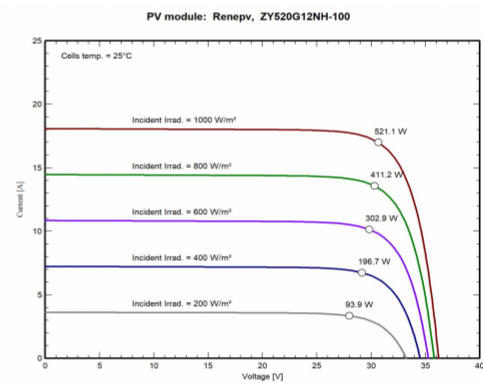
| | |
|--|--|
| Solar Cell: | N-Mono-210*105 |
| Arrangement: | Type-5*10*2 |
| Front Glass: | 3.2mm tempered glass |
| Frame: | Anodized aluminium alloy |
| Junction Box: | IP68,3 diodes |
| Cables& Connectors: | 4.0mm ² &PV-CXLH0601-1 |
| Manufacturer of connector&Junction Box | Ningbo Lihui photovoltaic Technology Co.,Ltd |
| Maximum Load Capacity | 5400Pa/2400Pa |
| Safety Rate | Class II (IEC) |
| Fire Rate | Class C (TUV) |

Temperature characteristics

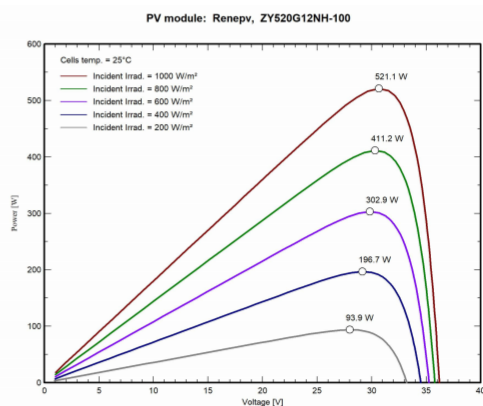
| | |
|--------------------------------------|------------|
| Temperature Coefficient (Pmax): | -0.30 %/°C |
| Temperature Coefficient (Voc): | -0.25 %/°C |
| Temperature Coefficient (Isc): | +0.05 %/C |
| Norminal Operating Cell Temperature: | 45±2 °C |

Electrical characteristics:

Current-Voltage Characteristic(I-V Curve)



Power-Voltage Characteristic(P-V Curve)



Packing Configuration

40'HQ Container: 31pcs/pallet 20pallet/40'HQ 620pcs

TUV/IEC61215/61730 Quality / ISO Certified Company



@NINGBO ZHONGYI NEW ENERGY CO.,LTD.

Address: No.509 Zhengtong North Road,CixiCity hi-tech Industrial development zone,Zhejiang,China

Tell: +86-0574-63097968

Fax: +86-0574-63097968

Email: info@renepv.com

<https://www.renepv.com>