

## HRAP-120H 365-380M6

**20.86%**  
Maximum Module Efficiency

**380W**  
Maximum Power Output

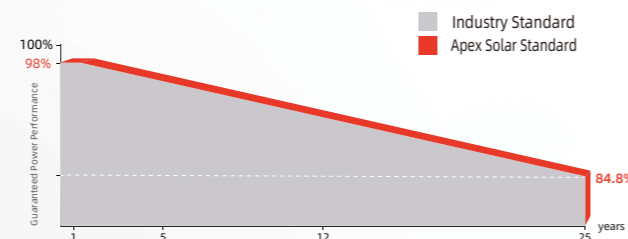
Power Shorting Tolerance: 0~+3W

**1755×1038×35mm**  
Module Dimensions

IEC 61215 / IEC 61730  
Fire safty class: Class C according to UL790  
ISO 9001 :Quality Management System  
ISO 14001 :Environment Management



**Industry Leading Linear Power Warranty**  
12-year Warranty for Materials and Processing . 25-year Warranty for Extra Linear Power Output



**12** Process Warranty      **25** Power Warranty

- 0-±3%**  
Guaranteed 0-±3% positive tolerance ensures the power output reliability
- High customer value**  
Lower cost per kilowatt hour.High quality silicon wafer guarantee, high power module output, excellent cost performance advantage, is an ideal choice for solar power stations
- Highly reliable due to stringent quality control**  
Three times strict EL testing beyond certification requirements
- Fusion of MBB and half-cut cells technology**  
The new circuit design, minimizes the impact of shadow on the power generation of solar module.Excellent light utilization and current collection capacity, effectively improve product power output and reliability
- Excellent Anti-PID performance**  
Ensure that the scale production passes the PID test, and greatly reduce the attenuation caused by PID by optimizing the wafer process
- Outstanding low light performance**  
The coated glass with high transmittance and the surface technology of the wafer are used to achieve excellent performance in low light environment

## High Efficiency Half-cells Solar Panel HRAP-120H 365-380M6

### ELECTRICAL PARAMETERS AT STC

|                                |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|
| Rated Maximum Power(Pmax) [W]  | 365   | 370   | 375   | 380   |
| Maximum Power Voltage(Vmp) [V] | 33.85 | 34.05 | 34.25 | 34.40 |
| Maximum Power Current(Imp) [A] | 10.79 | 10.87 | 10.95 | 11.04 |
| Open Circuit Voltage(Voc) [V]  | 41.05 | 41.25 | 41.45 | 41.65 |
| Short Circuit Current(Isc) [A] | 11.27 | 11.35 | 11.43 | 11.51 |
| Module Efficiency [%]          | 20.00 | 20.30 | 20.60 | 20.86 |

STC: Irradiance 1000 W/m2 module temperature 25°C AM=1.5

### ELECTRICAL PARAMETERS AT NMOT

|                                |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|
| Rated Maximum Power(Pmax)[W]   | 266.7 | 270.4 | 274.1 | 277.8 |
| Maximum Power Voltage(Vmp) [V] | 31.2  | 31.3  | 31.5  | 31.7  |
| Maximum Power Current(Imp) [A] | 8.56  | 8.63  | 8.7   | 8.76  |
| Open Circuit Voltage(Voc) [V]  | 38.1  | 38.3  | 38.5  | 38.7  |
| Short Circuit Current(Isc) [A] | 9.06  | 9.12  | 9.19  | 9.25  |

NMOT: Irradiance 800 W/m2 ambient temperature 20°C wind speed:1m/s

### MECHANICAL SPECIFICATION

|                   |   |
|-------------------|---|
| Cell Type         | Monocrystalline   |
| Cell Dimensions   | 166×166mm   |
| Cell Arrangement  | 120(6×20)   |
| Weight            | 19.5kg(±3%)   |
| Module Dimensions | 1755×1038×35mm  |
| Cable             | 4.0 mm <sup>2</sup> positive/negative:300mm(11.8inches ),length Can be customized |
| Front Glass       | 3.2 mm high transmittance,AR coating tempered glass                               |
| Frame             | Anodized aluminium alloy  |
| Junction Box      | Protection class Ip68   |
| Type of Connector | PV-XT101.1 (Suzhou Xtong Photovoltage Technology Co., Ltd)                        |
| Mechanical Load   | Front side 5400Pa/Rear side 2400Pa  |

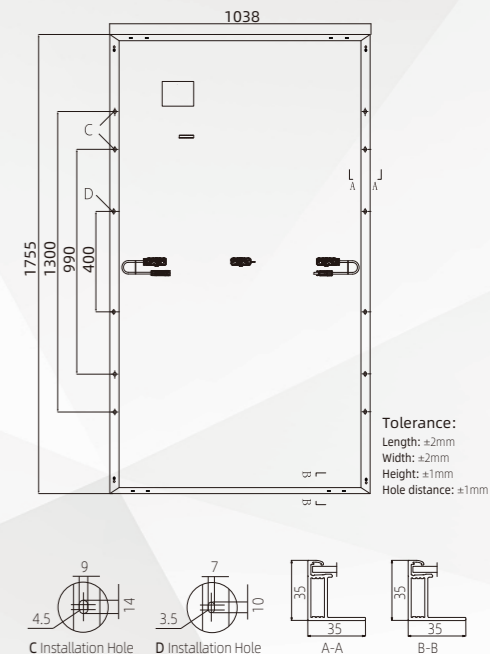
### OPERATING CONDITIONS

|                                    |                 |
|------------------------------------|-----------------|
| Maximum System Voltage (V)         | 1000VDC/1500VDC |
| Pmax Temperature Coefficient       | -0.34%/°C       |
| Voc Temperature Coefficient        | -0.28%/°C       |
| ISC Temperature Coefficient        | +0.05%/°C       |
| Nominal Operating Cell Temperature | 45±2°C          |
| Operating Temperature              | - 40°C-+85°C    |
| Maximum Series Fuse                | 20A             |

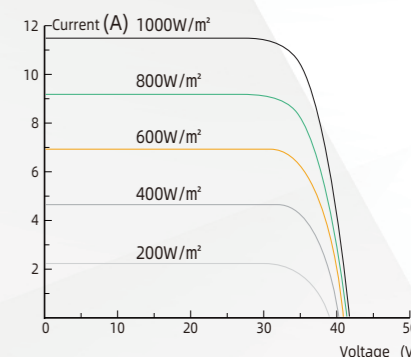
### PACKING CONFIGURATION

|                    |              |
|--------------------|--------------|
| Quantity/Pallet    | 31pcs/pallet |
| Quantity/Container | 845pcs/40HQ  |

### Module Dimension(mm)



### Current-Voltage Curve (380W)



### Power-Voltage Curve (380W)

