es elite solar HC series

30 years warranty

360W | 380W

The ELITE SOLAR Half cut series is the most powered module with highest efficiency. Multibus-bar permit to reduce the degradation of the cells and increase the power generated from sun.

Feature



High output power

Assembled with multi-busbar PERC cells modules offers the advantages of higherpoweroutput, reduces BOS cost effectively;



Better power generation under shadows

Special half-cell design reduces the energy loss caused by shadows, better anti-shading performance;



Strong anti-hot spot ablity

Lower hot spot risks due to half-cell layout,offers an additional level of safety;



1500V system voltage

1500V DC voltage of the system, reducing the cost of the system side;



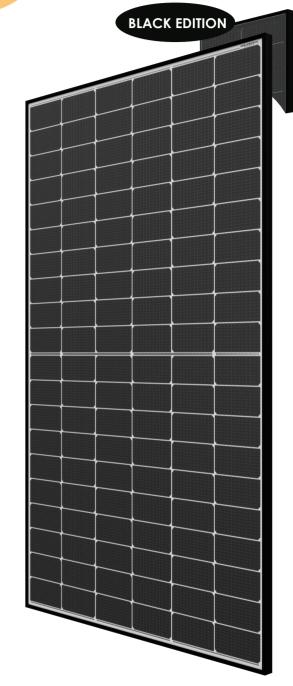
Super strong frame

The overflow tank is waterproof with double layers, and the cross section contains hooked aluminum frame, which enhances the mechanical load strength by 10%;



Strong mechanical load capacity

Passed the certification test of 5400 Pa snow load and 2400 Pa wind load;







About Elite-Solar

Enginering of elite-solar gmbH recherche and development allow to acheive the maximum effeciency. By the HC series, elite-solar are positionned at the leader on the market with innovation and commitment to the industry.



es elite solar

H6-360 | H6-365 | H6-370 | H6-375 | H6-380

Electrical Properties (STC*)

| Maximum Power (Pmax) | [W] | 360 | 365 | 370 | 375 | 380 |
|-----------------------------|------|----------|-------|-------|-------|-------|
| MPP Voltage (Vmpp) | [V] | 34.0 | 34.2 | 34.4 | 34.6 | 34.8 |
| MPP Current (Impp) | [A] | 10.59 | 10.67 | 10.76 | 10.84 | 10.92 |
| Open Circuit Voltage (Voc) | [V] | 40.9 | 41.1 | 41.3 | 41.5 | 41.7 |
| Short Circuit Current (Isc) | [A] | 11.08 | 11.16 | 11.26 | 11.34 | 11.42 |
| Module Efficiency | [%] | 19.27 | 19.54 | 19.80 | 20.07 | 20.34 |
| Operating Temperature | [°C] | -40~+85 | | | | |
| Maximum System Voltage | [V] | VDC 1500 | | | | |
| Maximum Series Fuse Rating | [A] | 20 | | | | |
| Number of Bypass Diodes | | 3 | | | | |
| Power Tolerance | [%] | 0~+5 | | | | |

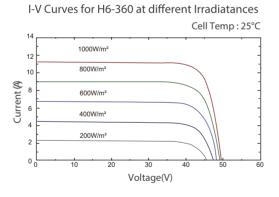
The nameplate power output is measured and determined by elite-solar at its sole and absolute direction. * STC (Standard Test Condition): Irradiance 1.000W/m², cell temperature 25°C, AM 1.5 (Measurement Tolerance ± 3%, Electrical Parameter Tolerance: ± 5%)

Mechanical Properties

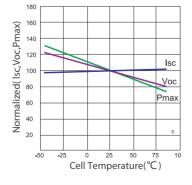
| Calla | C .: 20 | |
|------------------------|---|--|
| Cells | 6 x 20 | |
| Cell Type | Monocrystalline | |
| Cell Dimensions | 166 x 83 mm | |
| # of Busbar | 9 (Multi Wire Busbar) | |
| Dimensions (L x W x H) | 1765x1048x35mm | |
| | 69.48 x 41.26 x 1.38 in | |
| Front Load | 5,400 Pa | |
| Rear Load | 4,000 Pa | |
| Weight | 20.5 kg | |
| Connector Type | MC4 Compatible | |
| Junction Box | Split Junction Box (IP68 ,three diode) | |
| Cables | 4.0mm ² ,+300mm,-300mm Customized Length | |
| Glass | 3.2mm Tempered Low Iron Glass | |
| Frame | Anodised Aluminium / Black anodised optional | |

* Please refer to the installation manual for the details

Characteristic Curves



Power voltage current curve at different temperature





Elite-Solar GmbH Solar Business Division Germany www.elite-solar.de

Electrical Properties (NOCT*)

| Maximum Power | [W] | 270.0 | 274.4 | 278.1 | 281.9 | 285.6 |
|---|--------|-----------|---------------|-----------|------------|------------|
| MPP Voltage | [V] | 31.9 | 32.1 | 32.3 | 32.5 | 32.7 |
| MPP Current (Impp) | [A] | 8.49 | 8.55 | 8.62 | 8.69 | 8.75 |
| Open Circuit Voltage | [V] | 38.1 | 38.3 | 38.5 | 38.7 | 38.9 |
| Short Circuit Current | [A] | 8.95 | 9.02 | 9.10 | 9.16 | 9.24 |
| * NOCT (Nominal Operating 20°C, wind speed 1 m/s | Cell T | emperatur | e): Irradiano | e 800W/m; | ambient te | emperature |

Temperature Characteristics

| Norminal Operating Cell Temperature(Noct) | | 45±2 |
|---|--------|-------|
| Temperature Coefficient Of Pmax | [%/°C] | -0.36 |
| Temperature Coefficient Of Voc | | -0.29 |
| Temperature Coefficient Of Isc | [%/°C] | 0.05 |

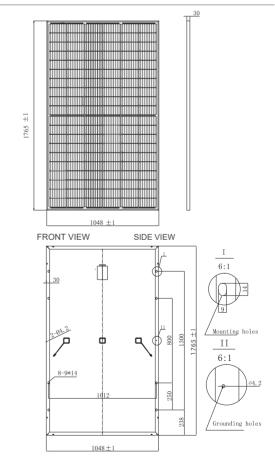
Certifications and Warranty

| | UL 1703 | | |
|----------------|----------------------------|--|--|
| | IEC 61215, IEC 61730-1/-2 | | |
| Certifications | IEC 61701 SALT Corrosion | | |
| | IEC 62716 AMONIA Corrosion | | |
| | ISO 9001 | | |

| Product Warranty | 15 Years | |
|--|------------------|--|
| Output Warranty of Pmax | Linear Warranty* | |
| * 1) 1st years 0.80% 2) After 1st years 0.50% appual degradation 2) 80% for 20 years | | |

* 1) 1st year: 98%, 2) After 1st year: 0.5% annual degradation, 3) 80% for 30 years

Dimensions (mm)



* The distance between the center of the mounting/grounding holes.