

**530W | 540W**

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**

**Durability Against Extreme Environmental Conditions**



High salt mist and ammonia resistance  
 Certified by TUV NORD

**PID Resistance**



Excellent Anti-PID performance guarantee limited power degradation for mass production. (Potential Induced Degradation) under the test conditions.

**High Efficiency**



Higher module conversion efficiency (up to 21.52%) benefit from half cell structure (low resistance characteristic).

**Low-light Performance**



Advanced glass and cell surface textured design ensure excellent performance in low-light environment.

**Severe Weather Resilience**



Certified to withstand : Wind load (2400 pascal) and snow load (5400 pascal).



**QUALIFICATIONS AND CERTIFICATES**



30-years Product Warranty



30-years Linear Performance Warranty

**About Elite-Solar**

Engineering of elite-solar gmbH recherche and development allow to achieve the maximum efficiency. By the HC series, elite-solar are positioned at the leader on the market with innovation to the industry.

H7-515 | H7-520 | H7-525 | H7-530 | H7-535 | H7-540

### Electrical Properties (STC\*)

Maximum Power (Pmax)	[W]	515	520	525	530	535	540
MPP Voltage (Vmpp)	[V]	38.68	38.86	39.04	39.22	39.40	39.62
MPP Current (Impp)	[A]	13.32	13.38	13.45	13.52	13.58	13.63
Open Circuit Voltage (Voc)	[V]	46.41	46.59	46.77	46.95	47.13	47.31
Short Circuit Current (Isc)	[A]	14.05	14.11	14.17	14.23	14.29	14.35
Module Efficiency	[%]	21.69	21.90	22.11	22.32	22.53	22.86
Operating Temperature	[°C]	-40~+85					
Maximum System Voltage	[V]	VDC 1500					
Maximum Series Fuse Rating	[A]	25					
Number of Bypass Diodes		3					
Power Tolerance	[%]	0~+5					

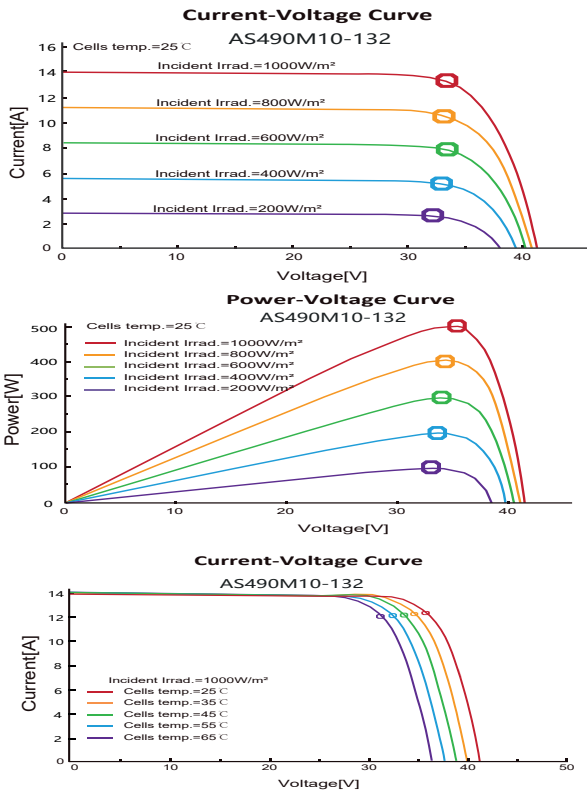
The nameplate power output is measured and determined by elite-solar at its sole and absolute direction.  
 \*STC (Standard Test Condition): Irradiance 1.000W/m<sup>2</sup>, cell temperature 25°C, AM 1.5 (Measurement Tolerance ± 3%, Electrical Parameter Tolerance: ± 5%)

### Mechanical Properties

Cells	6 x 22
Cell Type	Monocrystalline
Cell Dimensions	182x 91 mm
Number of Busbar	10 (Multi Wire Busbar)
Dimensions (L x W x H)	2094 ± 2mm x 1134 ± 2mm x 30mm ± 1mm
Front Load	5,400 Pa
Back Load	2,400 Pa
Weight	24.4 kg
Connector Type	MC4 Compatible
Junction Box	Split Junction Box (IP68, three diode)
Cables	4.0mm <sup>2</sup> , +1200mm, -1200mm Customized Length
Glass	Class II
Frame	Anodised Aluminium / Black anodised optional

\* Please refer to the installation manual for the details

### Characteristic Curves



### Electrical Properties (NOCT\*)

Maximum Power	[W]	387	391	395	399	403	407
MPP Voltage	[V]	36.13	36.30	36.47	36.64	36.81	36.98
MPP Current (Impp)	[A]	10.71	10.77	10.83	10.89	10.95	11.01
Open Circuit Voltage	[V]	44.21	44.38	44.55	44.72	44.89	45.06
Short Circuit Current	[A]	11.48	11.54	11.60	11.66	11.72	11.78

\* NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, ambient temperature 20°C, wind speed 1 m/s

### Temperature Characteristics

Normal Operating Cell Temperature (Noct)	[°C]	45±2
Temperature Coefficient Of Pmax	[%/°C]	-0.350
Temperature Coefficient Of Voc	[%/°C]	-0.275
Temperature Coefficient Of Isc	[%/°C]	0.045

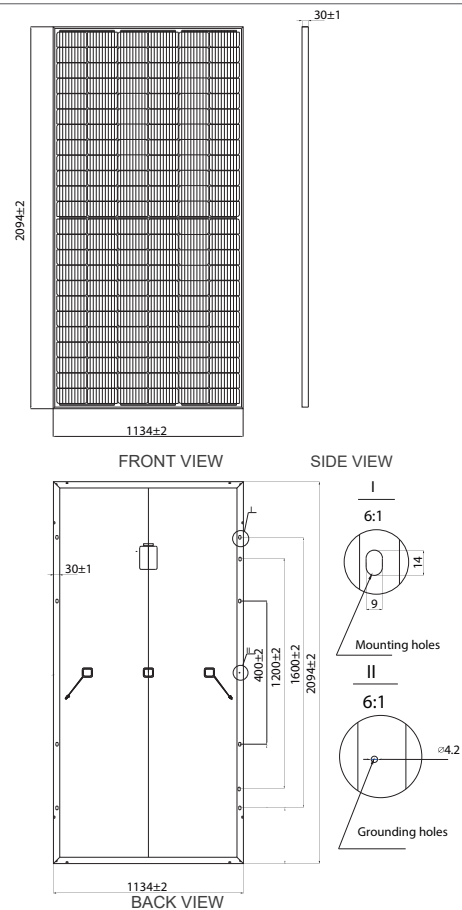
### Certifications and Warranty

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

Product Warranty	30 Years
Output Warranty of Pmax	Linear Warranty*

\* 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.