

# 485~515W

AS485-515M10-132

## MORE POWER

**UP TO 21.69%** Maximize the light absorption area, module efficiency up to 21.69 %.

**Low temperature coefficient (Pmax):** -0.35 % /°C.

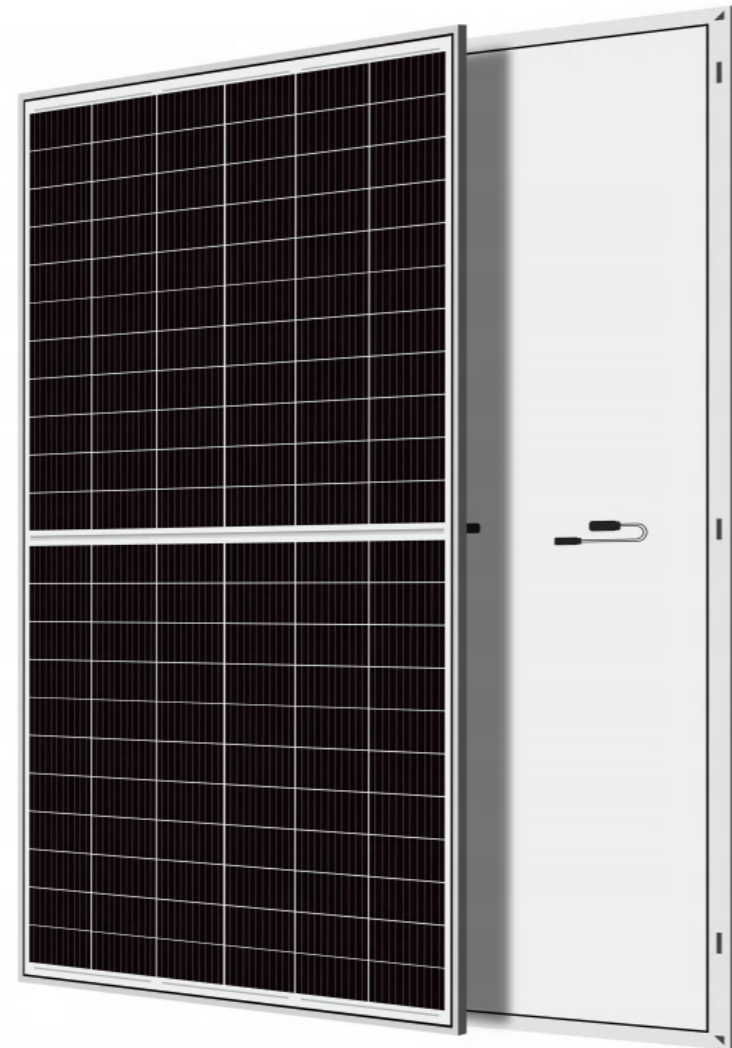
**Better shading tolerance.**

## MORE RELIABLE

**Lower internal current, lower hot spot temperature.**

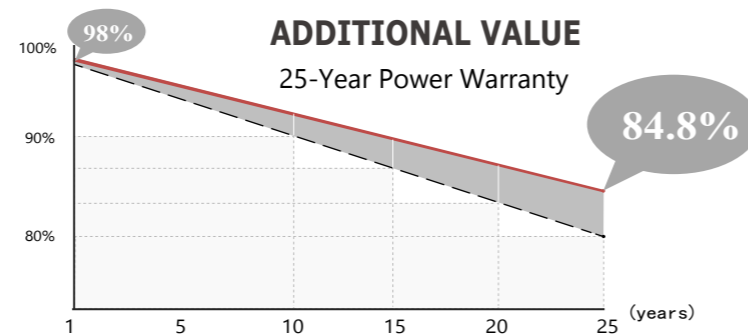
**Cell crack risk limited in small region, enhance the module reliability.**

**Heavy snow load up to 5400 Pa, wind load up to 2400 Pa.**



**12** 12-year Product Warranty

**25** 25-year Linear Performance Warranty



# 485-515W

Monofacial Half-Cell PV Module

## Weight

**24.5kgs±3%**

## Cells Type

**Mono 182x91mm**

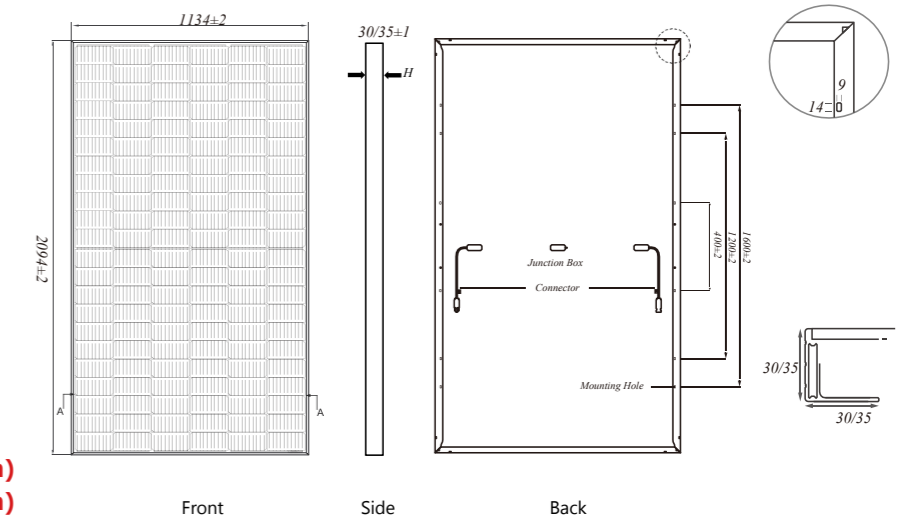
## Dimension(LxWxT)

**2094±2mmx1134±2mmx30/35±1mm**

## Packaging

**36pcs/pallet, 792pcs/40HQ container(30mm)**

**31pcs/pallet, 682pcs/40HQ container(35mm)**



Remark: customized frame color and cable length available upon request

MECHANICAL SPECIFICATION		OPERATING PARAMETERS	
Cell	Mono	Maximum System Voltage	1500VDC
No.of cells	132(6x22)	Operating Temperature	-40°C~+85°C
Cable Length	300mm(+)/300mm(-)	Maximum Series Fuse	30A
Cable Cross Section Size	4mm <sup>2</sup> (IEC)	Maximum StaticLoad,Front	5400Pa(112lb/ft <sup>2</sup> )
Junction Box	IP68,3 diodes	Maximum StaticLoad,Back	2400Pa(50lb/ft <sup>2</sup> )
Connector	MC4 Compatible	Safety Class	Class II

ELECTRICAL CHARACTERISTICS	STC:AM1.5 1000W/m <sup>2</sup> 25°C NOCT:AM1.5 800W/m <sup>2</sup> 20°C 1m/s Test uncertainty for Pmax ±3%															
	Module Type	AS485M10-132	AS490M10-132	AS495M10-132	AS500M10-132	AS505M10-132	AS510M10-132	AS515M10-132	AS485M10-132	AS490M10-132	AS495M10-132	AS500M10-132	AS505M10-132	AS510M10-132	AS515M10-132	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power(Pmax/W)	485	365.4	490	369.1	495	372.9	500	376.7	505	380.4	510	384.1	515	378.8		
Open Circuit Voltage(Voc/V)	47.50	42.31	47.62	42.45	47.74	42.56	47.86	42.73	47.98	42.87	48.10	43.01	48.22	43.15		
Short Circuit Current(Isc/A)	13.21	11.07	13.27	11.13	13.33	11.19	13.39	11.24	13.45	11.30	13.51	11.36	13.57	11.42		
Voltage at Maximum Power(Vmp/V)	38.10	34.80	38.30	34.98	38.50	35.16	38.70	35.34	38.90	35.51	39.10	35.68	39.30	35.85		
Current at Maximum Power(Imp/A)	12.75	10.50	12.81	10.55	12.87	10.60	12.93	10.66	12.99	10.71	13.05	10.76	13.11	10.81		
Module Efficiency(%)		20.42		20.64		20.85		21.06		21.27		20.48		21.69		

TEMPERATURE RATINGS		I-V CURVE(AS485-515M10-132)		
Norminal Operating Cell Temperature(NOCT)	45±2°C	Current-Voltage Curve AS505M10-132		
Temperature Coefficient of Isc	+0.045%/°C	Power-Voltage Curve AS505M10-132		
Temperature Coefficient of Voc	-0.275%/°C	Current-Voltage Curve AS505M10-132		
Temperature Coefficient of Pmax	-0.350%/°C			