

# 485~515W

AS485-515M10-132 FULL BLACK

## MORE POWER



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

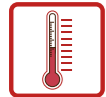


Low temperature coefficient (Pmax): -0.35 % /°C.



Better shading tolerance.

## MORE RELIABLE



Lower internal current, lower hot spot temperature.



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



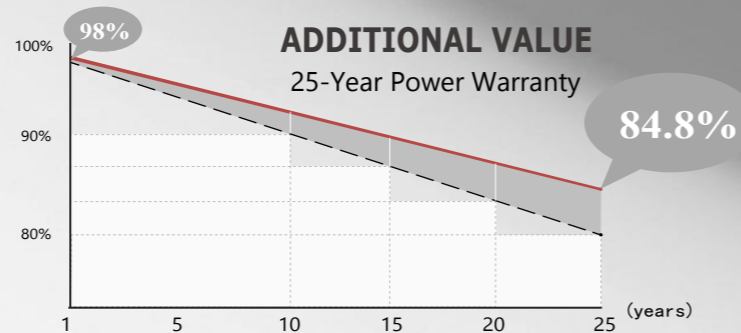
Heavy snow load up to 5400 Pa, wind load up to 2400 Pa.



12-year Product Warranty



25-year Linear Performance Warranty



# 485-515W

Full Black Half-Cell PV Module

### Weight

**24.5kgs±3%**

### Cells Type

**Mono 182x91mm**

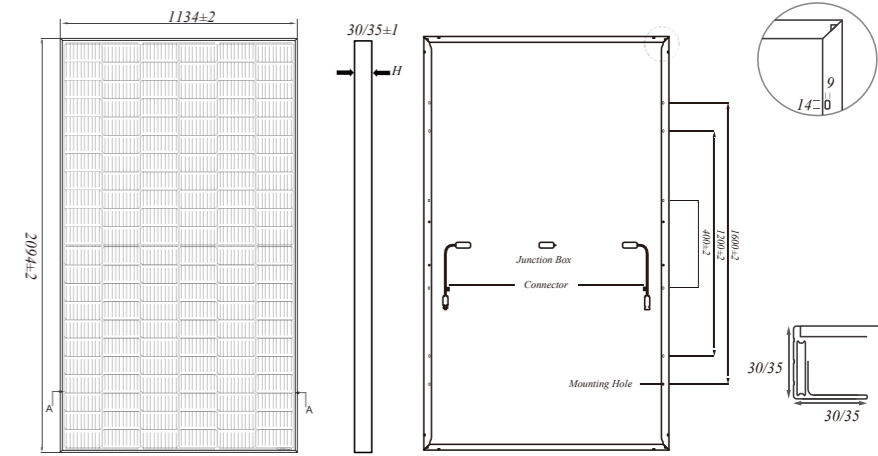
### Dimension(LxWxT)

**2094±2mmx1134±2mmx30/35±1mm**

### Packaging

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

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

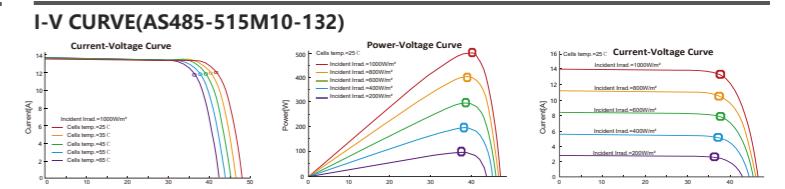


Front Side Back  
Remark: customized frame color and cable length available upon request

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	
Normal Operating Cell Temperature(NOCT)	45±2 C
Temperature Coefficient of Isc	+0.045%/C
Temperature Coefficient of Voc	-0.275%/C
Temperature Coefficient of Pmax	-0.350%/C



E-mail:[info@amo-solar.com](mailto:info@amo-solar.com) Website:[www.amosolarpv.com](http://www.amosolarpv.com)  
 Address: Flat/RM 803 Chevalier House 45-51 Chatham Road South Tsim Sha Tsui, KL, HK  
 Sales Center: Huijin International Building Xinjiekou Block, Nanjing, China  
 Sales Center: No.210, Qianshan Road, Shushan District, Hefei, Anhui,China

The specifications and key features contained in this datasheet may deviate slightly from our actual products due to the on-going innovation and product enhancement. Amosolar. reserves the right to make necessary adjustment to the information described herein at any time without further notice. Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.