

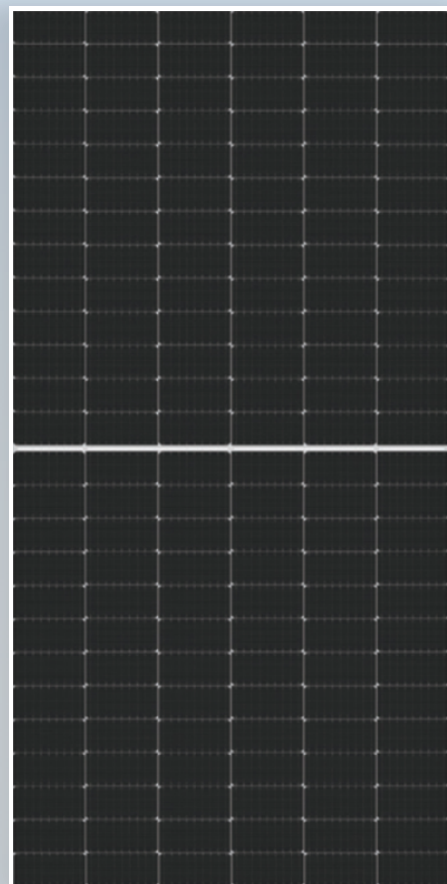
BM

Dual  
glass  
series

182T-156DG

Efficient bifacial Topcon monocrystalline  
silicon half-piece solar module**625 W**Maximum power  
output of module**22.36%**Maximum module  
efficiency**0~+5W**

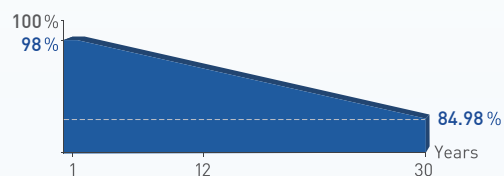
Power tolerance

Boamax's long-term stable  
quality is trustworthy

- Automatic production line and leading photovoltaic technology
- EL testing is performed before and after lamination, effectively ensuring the reliability of the components.
- Passed various long-term reliability tests
- Strict international standard management systems are adopted, including ISO 9001, ISO 14001, and ISO 45001.

MBB welding strip design  
optimizes optical and electrical  
properties of modulesThe adoption of dual glass POE  
packaging enables effective  
resistance to various harsh  
outdoor environmentsAdditional safety brought by fire  
rating AThe battery slicing technology greatly  
reduces the series current and the  
internal damage of the modules, thus  
effectively reducing BOS and LCOEOptimized packaging materials  
and strict process scheme ensure  
the PID resistance of modulesAdvanced non-destructive slicing  
technology, with small battery  
damage and low impact of cracking

## Industry leading linear warranty

**12-year warranty on materials and process** **30-year linear warranty**Excellent warranty, with a commitment to a 30-year  
power warranty and a linear power attenuation of  
0.4%

## Electrical performance parameters STC

Power output	P <sub>max</sub> (W)	605	610	615	620	625
Operating voltage of maximum power point	V <sub>mp</sub> (V)	45.78	45.98	46.18	46.38	46.58
Operating current of maximum power point	I <sub>mp</sub> (A)	13.22	13.27	13.32	13.37	13.42
Open-circuit voltage	V <sub>oc</sub> (V)	55.00	55.20	55.40	55.60	55.80
Short-circuit current	I <sub>sc</sub> (A)	14.06	14.10	14.14	14.18	14.22
Module efficiency	(%)	21.64	21.82	22.00	22.18	22.36
Power tolerance	(W)			0~+5		

\*STC testing conditions: atmospheric quality AM1.5, irradiance 1000 W/m<sup>2</sup>, cell temperature 25 °C

## Electrical performance parameters NMOT

Power output	P <sub>max</sub> (W)	455	459	462	466	470
Operating voltage of maximum power point	V <sub>mp</sub> (V)	42.94	42.98	43.02	43.07	43.25
Operating current of maximum power point	I <sub>mp</sub> (A)	10.59	10.67	10.75	10.82	10.87
Open-circuit voltage	V <sub>oc</sub> (V)	52.24	52.43	52.62	52.81	53.00
Short-circuit current	I <sub>sc</sub> (A)	11.31	11.36	11.41	11.46	11.51

\*NMOT testing conditions: irradiance 800 W/m<sup>2</sup> ambient temperature 20 °C, wind speed 1 m/s

## Electrical performance parameters

## Bifacial power gain (taking back irradiation ratio of 10 % as an example)

Power output	P <sub>max</sub> (W)	661	666	672	677	683
Operating voltage of maximum power point	V <sub>mp</sub> (V)	47.39	47.61	47.84	48.07	48.30
Operating current of maximum power point	I <sub>mp</sub> (A)	13.99	14.03	14.07	14.11	14.15
Open-circuit voltage	V <sub>oc</sub> (V)	56.22	56.42	56.62	56.82	57.02
Short-circuit current	I <sub>sc</sub> (A)	14.49	14.53	14.57	14.61	14.65
Module efficiency	(%)	23.64	23.83	24.03	24.22	24.42
Irradiation ratio	sc(A)			10%		

## Electrical performance parameters

Cell arrangement	156 pieces [6*26]
Module dimension	2465*1134*35mm
Weight	34.5kg
Front glass	2.0mm, high transparency coated glass
Rear glass	2.0mm, semi-tempered glass
Frame	Aluminum alloy with anode oxide film
Junction box	Protection level IP68
Cable	4mm <sup>2</sup> , with a positive wire length of 300mm and a negative wire length of 300mm
Number of diodes	3
Wind pressure/snow pressure	2400Pa/5400Pa
Connector	PV-H4

## Temperature characteristic

Nominal operating temperature of cell	45±2°C
Temperature coefficient (I <sub>sc</sub> )	+0.05%/°C
Temperature coefficient (V <sub>oc</sub> )	-0.28%/°C
Temperature coefficient (P <sub>max</sub> )	-0.34%/°C

## Packing method

Pieces per box	31 pieces
Loading capacity of 17.5 m flatbed trailer	806 pieces

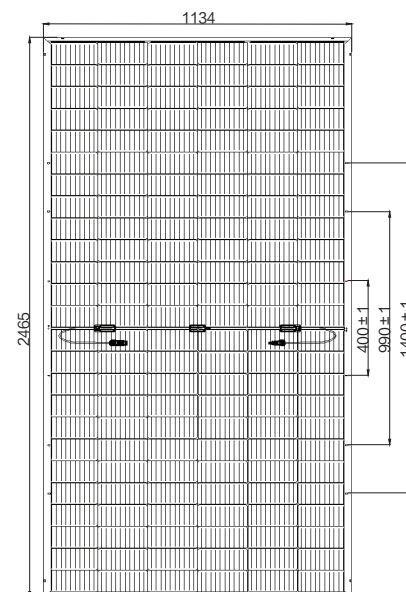
## Limit parameters

Operating temperature	-40~+85°C
Maximum system voltage	1500V DC
Maximum rated current of fuse	30A

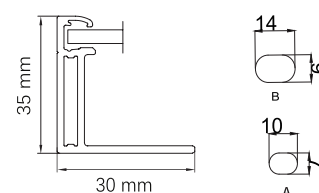
## Optional configuration

Connector	<input type="checkbox"/> Original PV
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## Module dimension



## Rear view



## Curve chart

