

Photovoltaic module

Set **Florence550 BF-S** bifacial module

- Monocrystalline technology
- Tempered glass with anti-reflective coating
- Guaranteed positive power tolerance
- Increased PID resistance PID (Potential Induced Degradation)
- Electroluminescence tests
- Highest quality of component materials
- Glass-Glass technology
- Conformity to standards: IEC 61215:2016, IEC 61730:2016, ISO 9001, ISO 14001, ISO 45001

30 - YEAR
LINEAR POWER
WARRANTY

12 - YEAR
WARRANTY

AVIA SOLAR

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power(Pmax)	409W
Open Circuit Voltage(Voc)	47.20V
Short Circuit Current(Isc)	11.30A
Maximum Power Voltage(Vmp)	39.76V
Maximum Power Current(Imp)	10.29A

* NMOT: Irradiance 800W/m², ambient temperature 20 °C, wind speed 1m/s

TEMPERATURE PARAMETERS

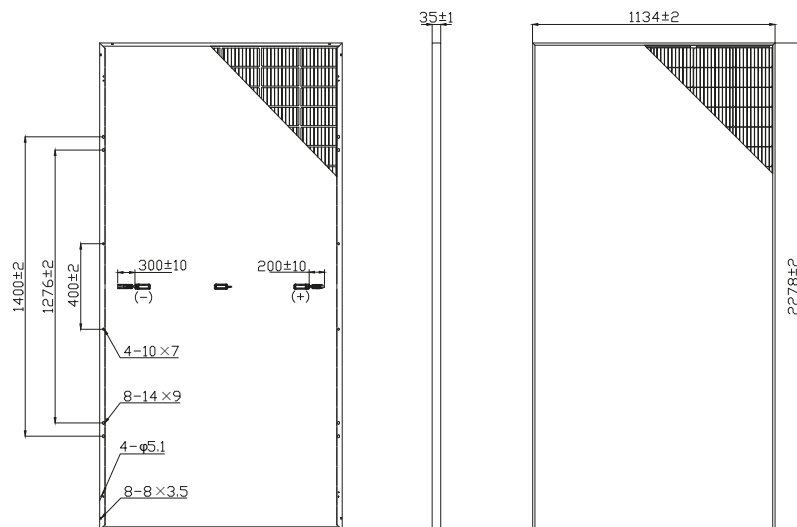
Nominal Module Operating Temperature(NMOT)	43±2 °C
Temperature Coefficient of Pmax γ (Pm)	-0.33%/°C
Temperature Coefficient of Voc β (Voc)	-0.26%/°C
Temperature Coefficient of Isc α (Isc)	0.042%/°C

MECHANICAL PARAMETERS

Solar Cells	Monocrystalline 182× 91mm
No. of Cells	144 (6×24)
Dimensions	2278mm×1134mm×35mm
Weight	32.5 (±0.5) kg
Glass Front /Back	High light transmittance coated tempered glass
Frame	Anodized aluminum alloy, silver
Junction Box	IP68
Cable	4mm ² (IEC) length: (+) 200 [mm], (-) 300 [mm]
Connectors	MC4-EVO2
Maximum wind load	2400 [Pa]
Maximum snow load	5400 [Pa]

PACKING

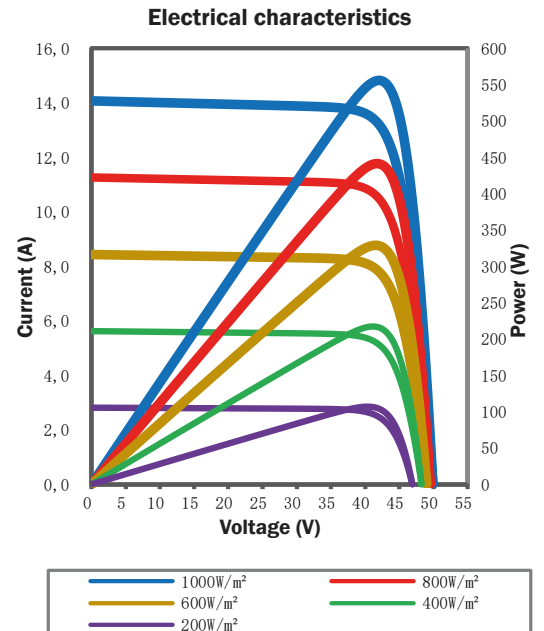
Packaging Configuration	31 pcs./pallet
	620 pcs./ 40' HQ container



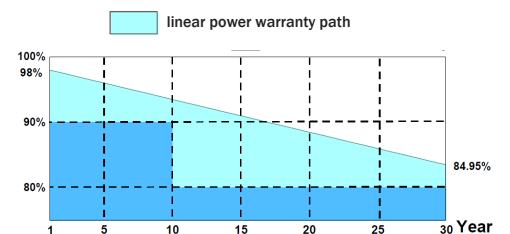
ELECTRICAL CHARACTERISTICS (STC)

Maximum Power(Pmax)	550W
Open Circuit Voltage(Voc)	49.80V
Short Circuit Current(Isc)	14.00A
Maximum Power Voltage(Vmp)	41.95V
Maximum Power Current(Imp)	13.12A
Module Efficiency	21,3%
Power Tolerance	0 ~ +5W
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	25A
Operating Temperature	-40 °C to +85 °C

* STC: AM 1.5, Irradiance 1000W/m², module temperature 25 °C



Linear power warranty



12-year product warranty*

30-year power output warranty*.

*Specific information is referred to the product quality guarantee.



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