



Photovoltaic module

Set **Florence410 SF-BB**

- Monocrystalline technology
- Tempered glass with anti-reflective coating
- Guaranteed positive power tolerance
- High Fill Factor (FF)
- Increased PID resistance PID (Potential Induced Degradation)
- Electroluminescence tests
- Highest quality of component materials

25 - YEAR

**LINEAR POWER
WARRANTY**

12 - YEAR

WARRANTY

AVIA SOLAR

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power(Pmax)	305W
Open Circuit Voltage(Voc)	35.38V
Short Circuit Current(Isc)	11.28A
Maximum Power Voltage(Vmp)	29.80V
Maximum Power Current(Imp)	10.23A

* 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	108 (6×18)
Dimensions	1722mm×1134mm×30mm
Weight	21.0 (±0.5) kg
Glass Front /Back	High light transmittance coated tempered glass
Frame	Anodized aluminum alloy, black
Junction Box	IP68
Cable	4mm ² (IEC) length 1100 [mm]
Connectors	MC4-EV02
Maximum wind load	2400 [Pa]
Maximum snow load	5400 [Pa]

PACKING

Packaging Configuration	36 pcs./pallet
	936 pcs./ 40' HQ container

ELECTRICAL CHARACTERISTICS (STC)

Maximum Power(Pmax)	410W
Open Circuit Voltage(Voc)	37.33V
Short Circuit Current(Isc)	13.98A
Maximum Power Voltage(Vmp)	31.44V
Maximum Power Current(Imp)	13.05A
Module Efficiency	21,0%
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

Electrical characteristics

