

AVIA SOLAR



30-YEARS

LINEAR POWER
WARRANTY



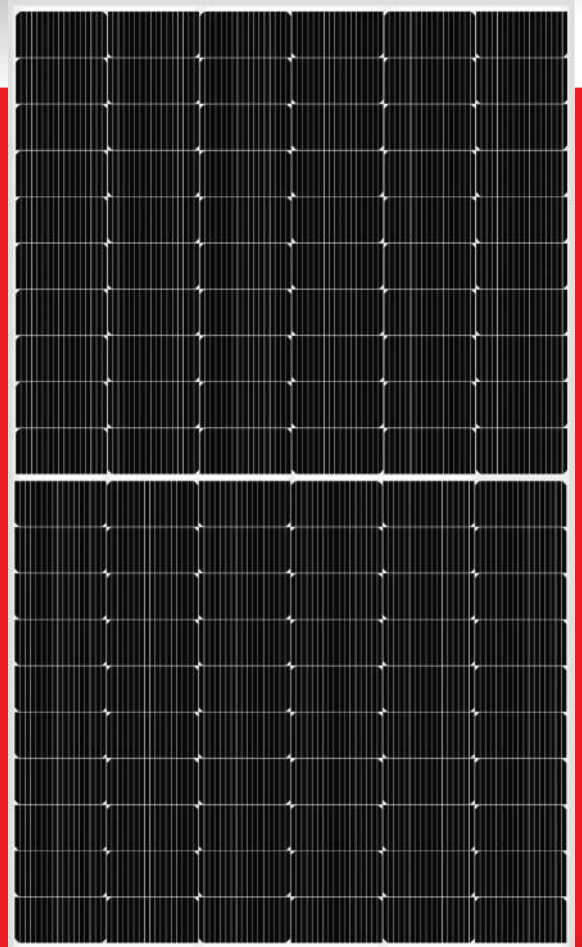
25-YEARS

WARRANTY

PHOTOVOLTAIC MODULE

AVIA Solar 66-210(ND)-F-700 bifacial

- Tempered glass with anti-reflective coating, low emission of Fe
- Monocrystalline technology, half-cut, double glass, TOPCon
- Guaranteed positive power tolerance
- High Fill Factor (FF)
- Increased PID resistance PID (Potential Induced Degradation)
- Electroluminescence tests
- Highest quality of component materials, 1st grade cells class A
- Conformity to standards: IEC 61215, IEC 61730



Technical Specification

AVIA SOLAR

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power(Pmax)	534W
Open Circuit Voltage(Voc)	46.01V
Short Circuit Current(Isc)	14.76A
Maximum Power Voltage(Vmp)	38.01V
Maximum Power Current(Impp)	14.05A

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

TEMPERATURE PARAMETERS

Nominal Module Operating Temperature(NMOT)	42±2 °C
Temperature Coefficient of Pmax γ (Pm)	-0.29%/°C
Temperature Coefficient of Voc β (Voc)	-0.24%/°C
Temperature Coefficient of Isc α (Isc)	0.04%/°C

MECHANICAL PARAMETERS

Solar Cells	Monokrystaliczne N-type
No. of Cells	132 [2x(6x11)]
Dimensions	2384mm×1303mm×33mm
Weight	38.3 (±0.5) kg
Glass Front	(2.0mm) High light transmittance coated tempered glass
Frame	Anodized aluminum alloy, silver
Junction Box	IP68
Cable	4mm ² (IEC) length: (+) 1200 [mm], (-) 1200 [mm]
Connectors	MC4/MC4 Compatible
Maximum wind load	2400 [Pa]
Maximum snow load	5400 [Pa]

PACKING

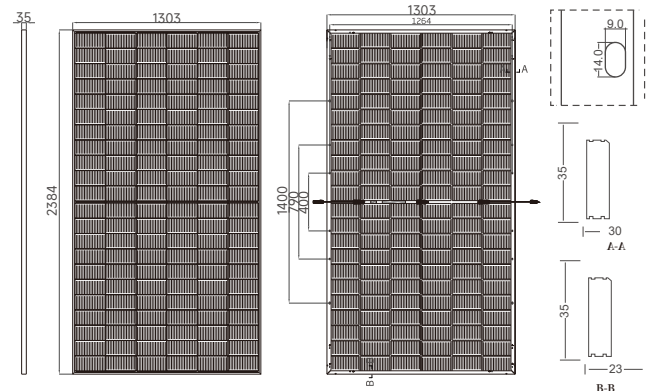
Packaging Configuration	33 pcs./pallet
	594 pcs./ 40' HQ container

ELECTRICAL CHARACTERISTICS (STC)

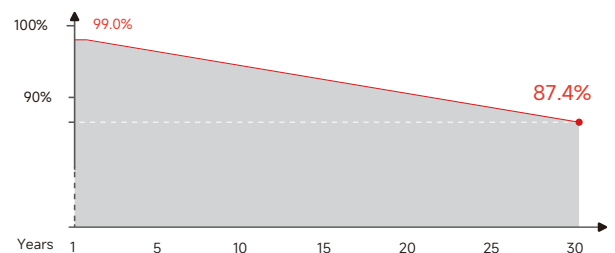
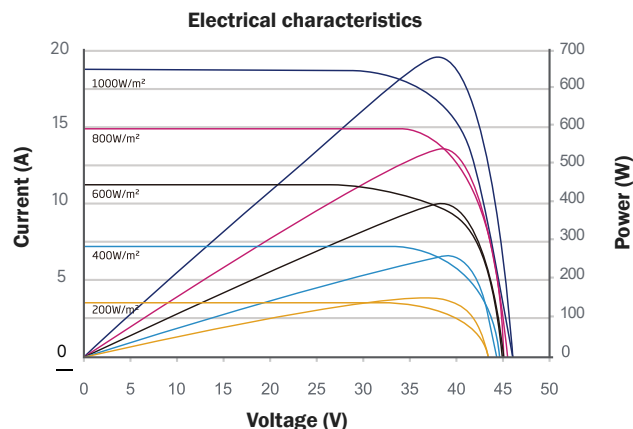
Maximum Power(Pmax)	700W
Open Circuit Voltage(Voc)	48.61V
Short Circuit Current(Isc)	18.32A
Maximum Power Voltage(Vmp)	40.50V
Maximum Power Current(Impp)	17.29A
Module Efficiency	22.5%
Power Tolerance	0 ±5W
Maximum System Voltage	1500V DC(IEC)
Maximum Series Fuse Rating	35A
Operating Temperature	-40 °C to +85 °C

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

Unit:mm



Length: ±2mm Width: ±2mm Thickness: ±1mm Hole pitch: ±2mm



25-year product warranty*

30-year power output warranty*

* specific information is referred to the product quality warranty

Specifications in this datasheet are subject to change without prior notice.



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