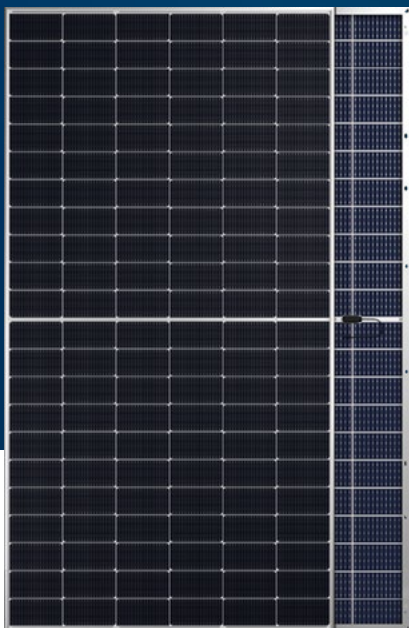




n-type

TECHNOLOGY
INSIDE

720 W 23.18 %

Maximum power

Maximum efficiency

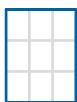
KEY BENEFITS AND FEATURES



Power of 700 / 710 / 720 Watt



132 G12 **n-type** bifacial half-cut cells



Silver frame and white
patterned back-glass



Ideal for **agrivoltaics**
and **C&I** installations



Suitable for installations
up to 1500 V



2384 x 1303 x 33 mm

Performance guarantee

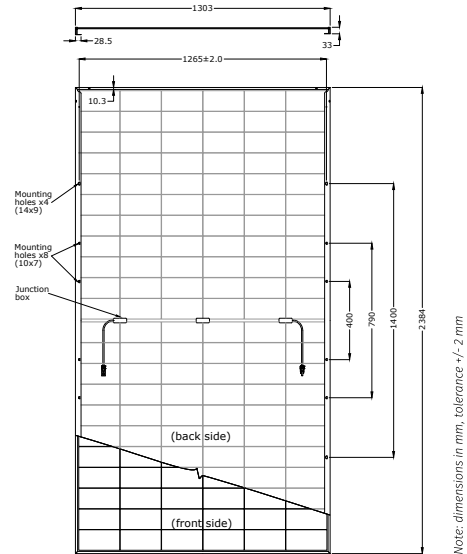
- **30-years** performance warranty with max power decrease from 1st year **0.4%/year**
- **99%** at the end of first year
- **92%** at the end of 20th year
- **87%** at the end of 30th year

Product guarantees

- **15-year** product and performance warranty
- Third-party product **liability** insurance
- All FuturaSun's modules are designed and guaranteed by the **Italian** headquarters

Mechanical Specifications

Dimensions	2384 x 1303 x 33 mm
Weight	38.2 kg
Front glass	2.0 mm solar glass with ARC
Cells	132 monocrystalline half-cut MBB n-type bifacial cells 210 x 105 mm
Frame	Anodized aluminium frame with mounting and drainage holes
Junction boxes	Certified according to IEC 62790, IP 68 approved, 3 bypass diodes
Cables	Solar cable, length +300/-300 mm or customized assembled with 4mm² compatible connectors
Back glass	2.0 mm solar glass white grid
Maximum reverse current (Ir)	35 A
Maximum system voltage	1500 V
Mechanical load (snow)	Design load: 3600 Pa, (5400 Pa including safety factor 1.5)
Mechanical load (wind)	Design load: 1600 Pa, (2400 Pa including safety factor 1.5)



Electrical data

Electrical data		FU 700 MV		FU 710 MV		FU 720 MV	
TEST CONDITIONS		STC*	BNPI**	STC*	BNPI**	STC*	BNPI**
Module power (Pmax)	W	700	776	710	787	720	798
Open circuit voltage (Voc)	V	48.26	48.36	48.66	48.76	49.05	49.15
Short circuit current (Isc)	A	18.38	20.37	18.46	20.45	18.54	20.54
Maximum power voltage (Vmpp)	V	40.50	40.51	40.89	40.89	41.27	41.27
Maximum power current (Impp)	A	17.29	19.15	17.37	19.24	17.45	19.33
Module efficiency	%	22.53	24.97	22.86	25.35	23.18	25.68
Isc at BSI****	A	22.79		22.89		22.99	
Sorting tolerance	W	0/+5					

Electrical data - NOCT***

		FU 700 MV		FU 710 MV		FU 720 MV	
Module power (Pmax)	W	526.29		533.90		541.44	
Open circuit voltage (Voc)	V	45.85		46.23		46.89	
Short circuit current (Isc)	A	14.84		14.90		15.02	
Maximum power voltage (Vmpp)	V	37.70		38.08		38.25	
Maximum power current (Impp)	A	13.96		14.02		14.16	

Temperature ratings

Temperature coefficient Isc	%/°C	0.045
Temperature coefficient Voc	%/°C	-0.25
Temperature coefficient Pmax	%/°C	-0.29
NOCT**	°C	44 ± 2
Operating temperature	°C	from -40 to +85

Certifications

Factory	ISO 9001 - 14001 - 45001
Product	IEC EN 61215, IEC EN 61730, EN13501-1 Classe E, EN13501-5 Broof (t1)

Packaging

Quantity / Pallet	34 pcs
Container 40' HC	612 pcs / 18 pallets

The information included in this module datasheet is subject to change without notice and is provided for informational purposes only. No contractual rights are established or should be inferred because of user's reliance on the information contained in this module datasheet. Please refer to the appropriate module user guide and module product specification document for more detailed technical information regarding module performance, installation and use.

*Standard Test Conditions (STC): 1000 W/m² - AM 1.5 - 25 °C - tolerance: Pmax (±3%) Voc (±4%) Isc (±5%)
**Bifacial Name Plate Irradiance (BNPI): Front side irradiation 1000 W/m² Back side reflection irradiation 135 W/m² Ambient temperature 25 °C
***Nominal Operating Cell Temperature (NOCT): 800 W/m² - T=45 °C - AM 1.5
****Bifacial Stress Irradiance (BSI): Front side irradiation 1000 W/m², Back side reflection irradiation 300 W/m²