

## n-type

TECHNOLOGY  
INSIDE

# 625 W 23.14 %

Maximum power

Maximum efficiency

## KEY BENEFITS AND FEATURES



Power from **615** to **625 Watt**



132 G12R HC **n-type** half-cut cells



The **new standard** in photovoltaic technology



**High efficiency** and enhanced low light performance



Excellent temperature coefficient **-0.29%/°C**



2382 x 1134 x 35 mm

### Performance guarantee

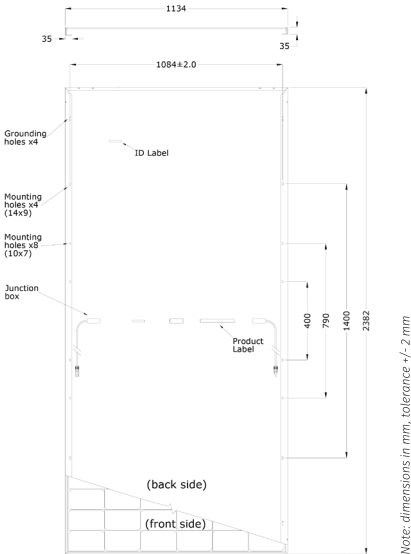
- **25-years** performance warranty with max power decrease from 2<sup>nd</sup> year **0.4%/year**
- **99%** at the end of first year
- **91.4%** at the end of 20<sup>th</sup> year
- **89.4%** at the end of 25<sup>th</sup> year

### Product guarantees

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

Mechanical Specifications

Dimensions	2382 x 1134 x 35 mm
Weight	29.5 kg
Glass	High transmission, Low iron, Tempered, ARC, Thickness 3.2 mm
Cells	132 monocrystalline half-cut MBB n-type cells 182 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 4mm <sup>2</sup> , length 1400 mm or customized with connectors type Suzhou Xtong PV-XT101.2
Backsheet	Composite Multilayer film - white
Maximum reverse current (Ir)	25 A
Maximum system voltage	1500 V
Mechanical load (snow)	Design load: +1600 Pa, (+2400 Pa including safety factor 1.5)
Mechanical load (wind)	Design load: -1600 Pa, (-2400 Pa including safety factor 1.5)



Electrical data - STC\*

		FU615MV Silk Nova	FU620MV Silk Nova	FU625MV Silk Nova
Sorting tolerance	W	0~+5		
Module power (Pmax)	W	615	620	625
Open circuit voltage (Voc)	V	48.00	48.20	48.40
Short circuit current (Isc)	A	15.90	15.95	16.00
Maximum power voltage (Vmpp)	V	41.05	41.25	41.45
Maximum power current (Impp)	A	14.99	15.04	15.08
Module efficiency	%	22.77	22.95	23.14

Electrical data - NOCT\*\*

		FU615MV Silk Nova	FU620MV Silk Nova	FU625MV Silk Nova
Module power (Pmax)	W	463	466	469
Open circuit voltage (Voc)	V	45.63	45.82	46.01
Short circuit current (Isc)	A	12.84	12.88	12.93
Maximum power voltage (Vmpp)	V	38.21	38.34	38.46
Maximum power current (Impp)	A	12.11	12.15	12.19

Temperature ratings

Temperature coefficient Isc	%/°C	0.045
Temperature coefficient Voc	%/°C	-0.25
Temperature coefficient Pmax	%/°C	-0.29
NOCT**	°C	45 ± 2
Operating temperature	°C	from -40 to +85
Module (T98) max	°C	70

Certifications

Factory	ISO 9001 - 14001 - 45001
Product	IEC 61215, IEC 61730, Fire ratig Class C

Packaging

Quantity / Pallet	31 pcs
Container 40' HC	620 pcs / 20 pallets

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\*Standard Test Conditions STC: 1000 W/m<sup>2</sup> - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)  
\*\*Nominal Operating Cell Temperature NOCT: 800 W/m<sup>2</sup> - T=45 °C - AM 1.5  
Product Made in P.R.C.  
AUS\_01

