



Engineered
in Italy

**BACK
CONTACT**

ZEBRA
Technology Inside

FU 350 / 355 / 360 M Zebra

Monocrystalline Photovoltaic Module - 120 half-cut IBC cells



GENERAL FEATURES

- **IBC - Interdigitated Back Contact cells**
- Innovative **Zebra technology developed in Europe**
- **Superior module efficiency up to 21.28%**
- **Excellent temperature coefficient -0.3%/°C**
- **Improved low light performance**
- **Immunity to LID (Light Induced Degradation) and LeTID (Light and elevated Temperature Induced Degradation)**
- **Half cut design** reduces internal resistance **increasing power output**
- Thanks to **IBC technology no shading on the cell**
- **Maximum light absorption**

CERTIFICATIONS

- > **IEC 61215:2016 - IEC 61730:2016 & Factory Inspection***
- > **Fire Resistance - Class 1**
- > **Salt Corrosion Resistance**
IEC 61701
- > **PID Certified**
2 PFG 2387/01.2018

NEW

GUARANTEES

Performance guarantee

Max power decrease **0.4%/year**

1st year degradation - 1.0%

99% at the end of first year

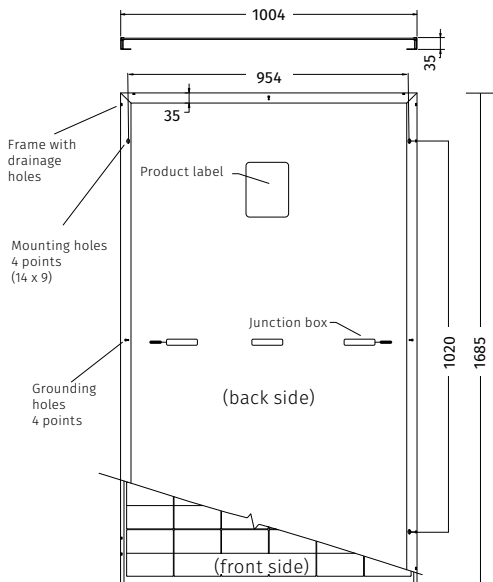
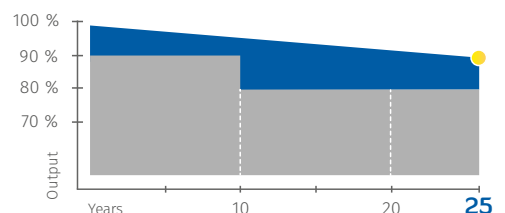
89% at the end of 25th year

Product guarantee

15 YEARS

NEW

■ Market standard performances
■ FuturaSun performances



Note: dimensions in mm
tolerance +/- 2 mm

ELECTRICAL DATA

MODULE ZEBRA		FU 350 M ZEBRA*	FU 355 M ZEBRA*	FU 360 M ZEBRA*
<i>Standard Test Conditions STC: 1000 W/sqm - AM 1.5 - 25 °C - tolerance: Pmax (±3%), Voc (±4%), Isc (±5%)</i>				
Module power (Pmax)	W	350	355	360
Open circuit voltage (Voc)	V	42.00	42.30	42.60
Short circuit current (Isc)	A	10.76	10.81	10.86
Maximum power voltage (Vmpp)	V	34.80	35.20	35.50
Maximum power current (Impp)	A	10.06	10.09	10.13
Module efficiency	%	20.69	20.98	21.28

<i>Nominal Module Operating Temperature NMOT: 800 W/mq - T=42 °C - AM 1.5</i>				
Module power (Pmax)	W	264	268	272
Open circuit voltage (Voc)	V	39.85	40.21	40.54
Short circuit current (Isc)	A	8.68	8.72	8.76
Maximum power voltage (Vmpp)	V	32.68	33.05	33.41
Maximum power current (Impp)	A	8.07	8.10	8.13

TEMPERATURE RATINGS

Temperature coefficient Isc	%/°C	0.046
Temperature coefficient Voc	%/°C	-0.246
Temperature coefficient Pmax	%/°C	-0.300
NMOT **	°C	42 ± 2
Operating temperature	°C	from -40 to +85

*Certification on going

**Nominal Module Operating Temperature

MECHANICAL SPECIFICATIONS

Dimensions	1685 x 1004 x 35 mm
Weight	19.5 kg
Glass	High transmission, Low iron, Tempered, Transparent, 3.2 mm
Cell encapsulation	POE (Polyolefin)
Cells	120 monocrystalline half-cut IBC cells 158.75 x 79.375 mm
Backsheet	Composite multilayer film
Frame	Anodized aluminium frame with mounting and drainage holes
Junction box	Certified according to IEC 62790, IP 68 approved
Cables	Solar cable, length 300 mm or customized assembled with MC4-compatible plugs
Maximum reverse current (Ir)	20 A
Maximum system voltage	1500 V (1000 V on request)
Maximum load (wind/snow)	5400 Pa (including safety factor 1.5)
Protection Class	II - accordance to IEC 61730

Authorized Dealer

2020_120m_350-360_Zebra_en



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