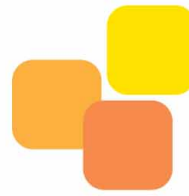


STI NGRAY Panel

NEW



ZNSHINE SOLAR

INFINITE ENERGY OF THE SUN

Mono Crystalline Module STINGRAY-ZX5M 230-265W



Efficiency

High Efficiency over 15,55%



Automation

Highly Automated and Vertically Integrated Manufacturing Process



Warranty

Insured Warranty of 25 Years



References

Europe-Wide References



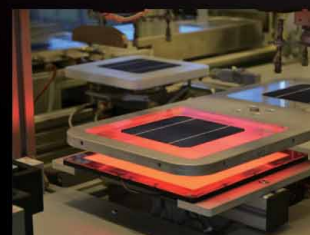
Bankability

Bankable in Europe



ZNSHINE SOLAR - RELIABLE PERFORMANCE OVER TIME

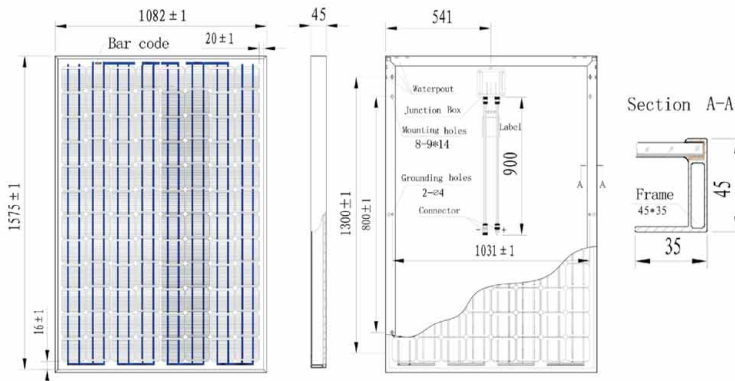
STINGRAY ZX5M-265W is one of ZNShine's newest panels. Versatile and adaptable, with power output ranging from 230Wp to 265Wp, it is perfect for both ground-mounted and commercial rooftop systems. Made of reliable and carefully selected components, this panel comes with a **25-year** performance guarantee of **90%** power production and 5-year workmanship guarantee. Rigorous quality control meets the highest international standards: ISO 9001, ISO14001 and OHSMS18001. Recycling of this product is guaranteed during the entire lifetime of each panel.



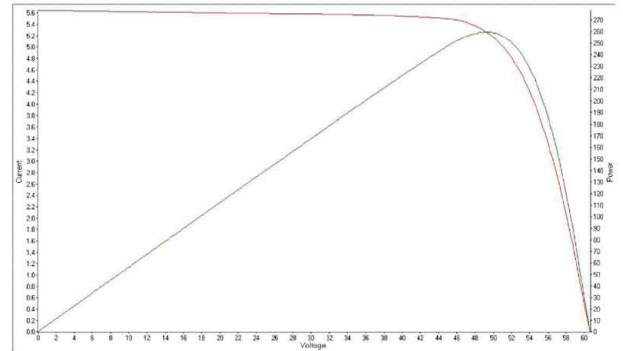
NEW

STI NGRAY Panel

Dimensions of PV module ZX5M 230-265 W



I-V Curves of PV module ZX5M 230-265 W



Electrical Data

	ZX230 (48) MS	ZX235 (48) MS	ZX240 (48) MS	ZX245 (48) MS	ZX250 (48) MS	ZX255 (48) MS	ZX260 (48) MS	ZX265 (48) MS
Peak Power Watts-P _{MAX} (WP)	230	235	240	245	250	255	260	265
Power Output Tolerance-P _{MAX} (%)	+/- 3	+/- 3	+/- 3	+/- 3	+/- 3	+/- 3	+/- 3	+/- 3
Maximum Power Volatage V _{MAX} (V)	47,70	47,90	48,10	48,40	48,70	49,00	49,30	49,40
Maximum Power Current-I _{MPP} (A)	4,82	4,91	4,99	5,06	5,14	5,21	5,27	5,36
Open Circuit Voltage-V _{OC} (V)	59,20	59,30	59,40	59,50	59,60	59,80	60,00	60,10
Short Circuit Current-I _{SC} (A)	5,16	5,27	5,34	5,43	5,49	5,55	5,62	5,86
Cells Efficiency η _m (%)	15,47	15,81	16,15	16,48	16,82	17,16	17,49	17,83

Values at Standard Test Conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Mechanical Data

Solar cells	Mono 125 x 125mm , (φ165)
Cells orientation	96 (8 x 12)
Module dimension	1575 x 1082 x 45mm
Weight	22 Kg
Glass	High transperancy, Low Iron, Tempered glass 3.2mm
Frame	Anodized aluminium alloy
J-Box	IP 65
Cables/Connector	Diameter 4mm ² , Length 900mm.
Number of Diodes	4

Warranty

- 5 years workmanship warranty
- 10 years warranty, 94% power output
- 25 years warranty, 90% power output

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	47°C (±2°C)
Temperature Coefficient of P _{MPP}	- 0.4183%/K
Temperature Coefficient of V _{OC}	- 0.2904%/K
Temperature Coefficient of I _{SC}	0.0241%/K

Working Conditions

Maximum System Voltage	DC1000V (TUV)
Operating Temperature	(-40 ~ + 85) °C
Maximum Series Fuses	10 A
Static Loading	2400pa

Packing Configuration

Modules per box	24 pcs
Modules per pallet	48 pcs
Modules per 40" HQ container	672 pcs



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CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.
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