

HZS-630W

MONOCRYSTALLINE SOLAR MODULE

Feature



TOPLINK current sorting process

System output maximized by reducing mismatch losses upto 2% with modules sorted & packaged by amperage



High module conversion efficiency

Module efficiency up to 23.5% achieved through advanced cell technology and manufacturing capabilities



Self-cleaning & anti-reflective

Higher module efficiency from anti-reflective, hydrophobic layer with higher light absorption and minimal surface dust



Excellent weak light performance

Excellent performance under low light conditions



Extended wind and snow load tests

Module certified to withstand extreme wind (3800 Pascal) and snow loads (5400 Pascal)



Positive tolerance

Guaranteed positive tolerance of up to 5% delivers higher outputs reliably



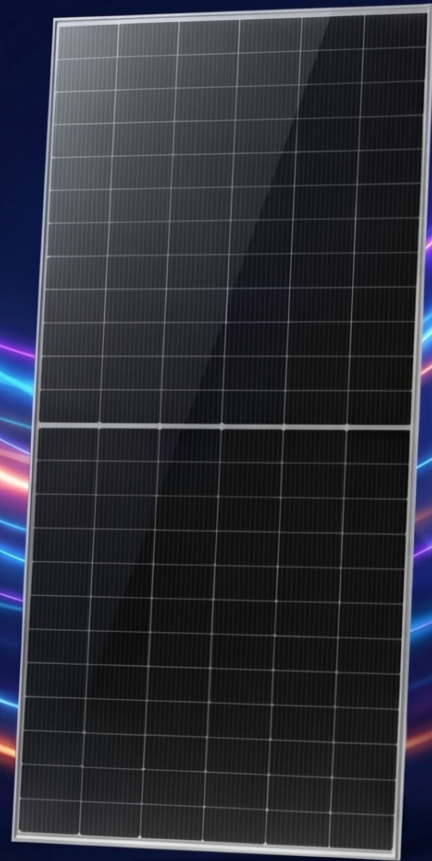
Maximize customer benefits

Maximize the benefits of end customers



Strict quality control

Very strict quality control process and introduction of lean production mode

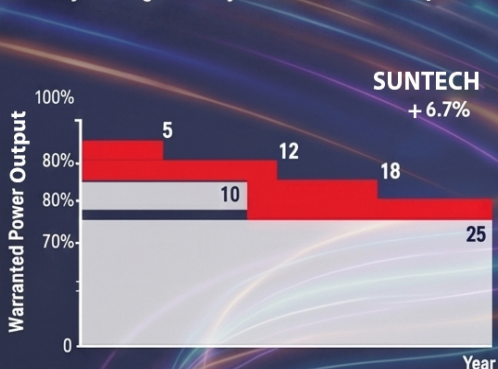


Trust TOPLINK
photoelectricity to Deliver
Reliable Performance
Over Time

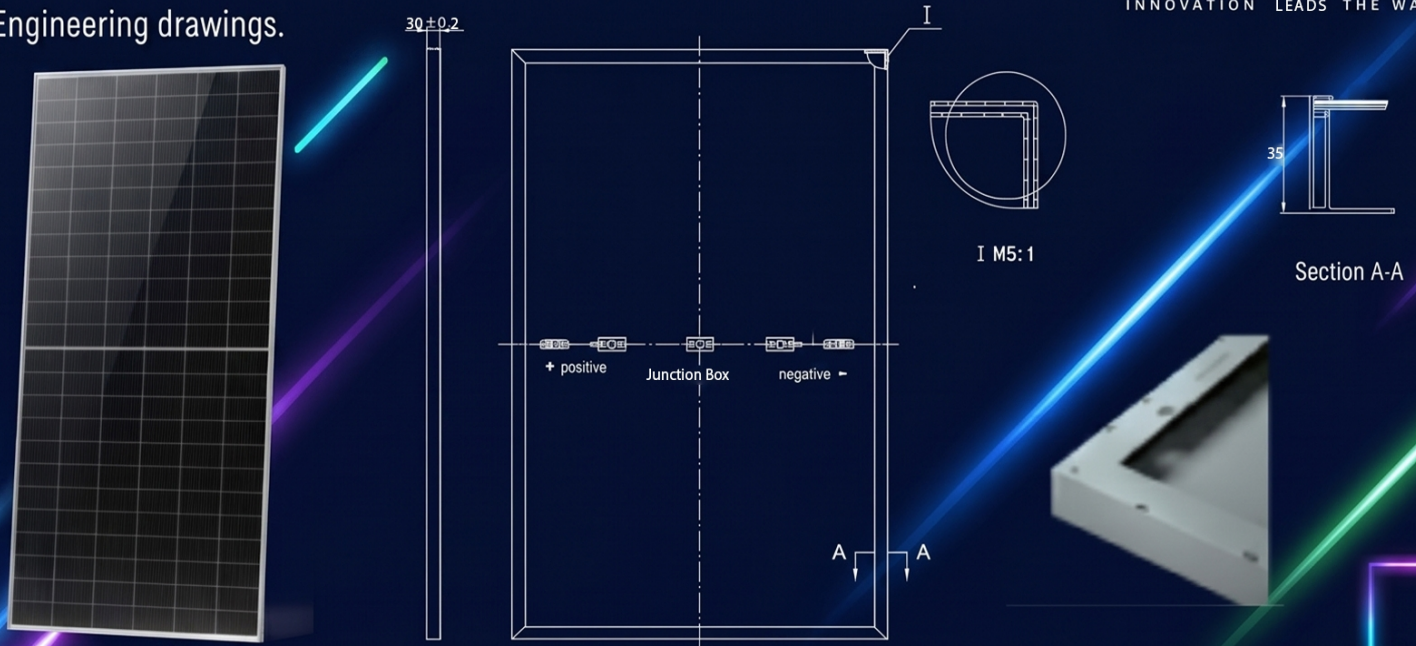


Reliable IP67 Rated Junction Box

Industry-leading Warranty based on nominal power



Engineering drawings.



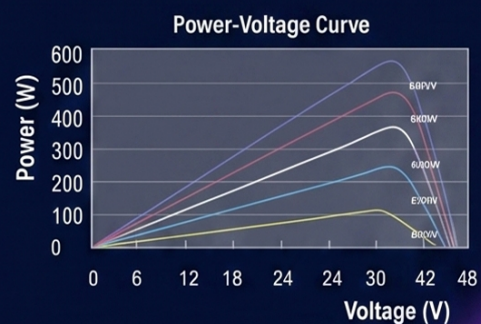
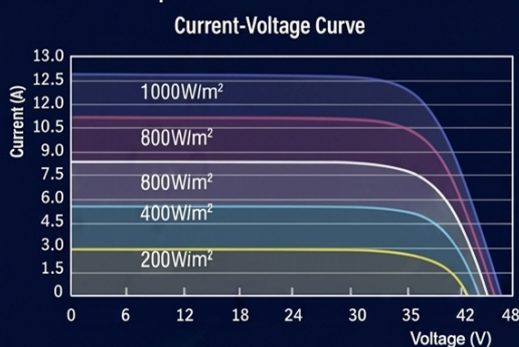
Mechanical Characteristics

Solar Cell		Monocrystalline silicon 182x 94mm
No. of Cells		132 (6x 11x2)
Dimensions		2382x1134x30mm
Weight		2kg
Front Glass		3.2 mm tempered glass
Frame		Anodized aluminium alloy

Temperature Characteristics

	Nominal Operating Cell Temperature	45±2°C
	Temperature Coefficient of Pmax	-0.40 %/°C
	Temperature Coefficient of Voc	-0.31 %/°C
	Temperature Coefficient of Isc	0.051 %/°C

I-V Curves of pv module



Electrical Characteristics

STC	HZS630M-132
Maximum Power at STC (Pmax)	630W
Optimum Operating Voltage (Vmp)	41.02V
Optimum Operating Current (Imp)	15.31A
Open Circuit Voltage (Voc)	49.48V
Short Circuit Current (Isc)	16.20A
Module Efficiency	22.5%
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC (IEC)
Power Tolerance	0-5 %

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