

WS72M10



## 530-550W



Superior aesthetics, all-black design



Robust product design for harsh weather conditions



Improved performance in shaded areas



Designed & engineered in the U.S, Made in Dubai


### Certifications:



Intertek



### Headquarter address

 2401 Fountain View Dr, #464  
Houston, TX 77057



(832) 291-3444



info@winnsolarllc.com



PRODUCT  
WARRANTY



PERFORMANCE  
WARRANTY

### Manufactured at:



2401 Fountain View Dr, #464  
Houston, TX 77057



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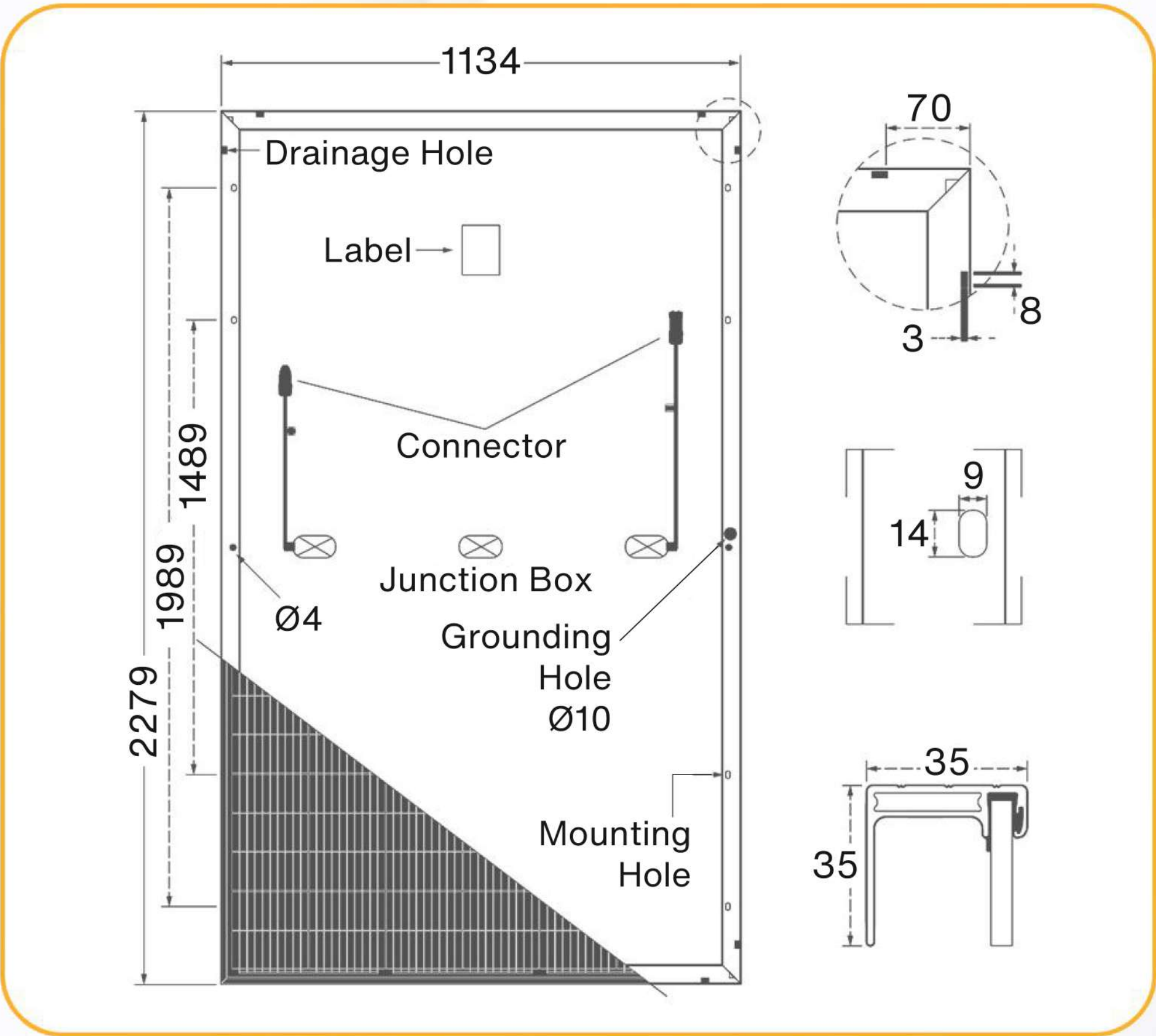


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MECHANICAL SPECIFICATIONS

Cell Type	Mono 182x91mm
Weight	29kg
Dimension	2279x1134x35mm (LxWxT)
Cables	4.0mm <sup>2</sup> , Portrait: 300mm(+)/400mm(-) Landscape: 1200mm(+)/1200mm(-)
No. of Cells	144 (6x24)
Glass	3.2mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Packing	31pcs/pallet, 620pcs/40HQ
Connector Type	Staubli Electrical Connectors AG (PV-KST4-EVO2/XY_UR)



Length: ±2mm, Width: ±2mm | Height: ±1mm, Pitch: ±2mm

ELECTRICAL SPECIFICATIONS

Module Type	WS -530W- M72H-M10		WS -535W- M72H-M10		WS -540W- M72H-M10		WS -545W- M72H-M10		WS -550W- M72H-M10	
Testing Condition	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Open-Circuit Voltage (Voc/V)	49.26	46.49	49.34	46.58	49.42	46.64	49.52	46.72	49.62	46.84
Maximum Power Voltage (Vmp/V)	40.56	37.86	40.63	37.92	40.70	38.06	40.80	38.23	40.90	38.43
Short-Circuit Current (Isc/A)	13.71	11.06	13.79	11.12	13.85	11.18	13.94	11.25	14.03	11.33
Maximum Power Current (Imp/A)	13.07	10.40	13.17	10.48	13.27	10.54	13.36	10.60	13.45	10.64
Maximum Power (Pmax/W)	530	394	535	397	540	401	545	405	550	409
Module Efficiency (%)	20.58%		20.77%		20.96%		21.16%		21.35%	
Power Tolerance	±3%									
Tolerance of Rating Pmax/Isc/Voc %	±3%/±4%/±3%									

NOCT: Irradiance 800w/m<sup>2</sup>, Cell Temperature 20°C, Spectrum AM1.5, Wind Speed 1m/s STC: Irradiance 1000w/m<sup>2</sup>, Cell Temperature 25°C, Spectrum AM1.5

Binning Tolerance: 0 to +5W

MAXIMUM RATINGS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C to +85°C
Maximum Series Fuse	25A
Safety Class	II
Fire Rating	Class C
Conductivity at Ground	≤0.1Ω
Resistance	≥100MΩ

TEMPERATURE CHARACTERISTICS

NOCT Temperature	45°C±2°C
Temperature Coefficient (Pmax)	-0.37%/°C
Temperature Coefficient (Voc)	-0.29%/°C
Temperature Coefficient (Isc)	0.05%/°C

PERFORMANCE WARRANTY

Max Power Degradation 0.5%/Year
97.5% At The End of 1 <sup>st</sup> Year
93% At The End of 10 <sup>th</sup> Year
85.5% At The End of 25 <sup>th</sup> Year

CURVE & TEMPERATURE DEPENDENCE

