

# GISUN power

*Supplied by*

 **JOG**  
International Ltd.



## 450-460W Solar Panel

## Electrical Characteristics

Module Type	M6-72-450-BG			M6-72-455-BG			M6-72-460-BG		
	FRONT STC	FRONT NOCT	BACK SCT	FRONT STC	FRONT NOCT	BACK SCT	FRONT STC	FRONT NOCT	BACK SCT
Maximum Power at STC (Pmp)	450	338	315	455	342	319	460	346	323
Open Circuit Voltage (Voc)	50.1	46.8	49.8	50.3	47.0	50.0	50.5	47.2	50.2
Short Circuit Current (Isc)	11.41	9.22	8.04	11.48	9.28	8.09	11.55	9.34	8.14
Maximum Power Voltage (Vmp)	41.8	37.7	41.9	42.0	38.9	42.1	42.2	40.1	42.3
Maximum Power Current (Imp)	10.77	8.73	7.52	10.84	8.80	7.58	10.91	8.87	7.64
Module Efficiency at STC(ηm)	20.70			20.93			21.16		
Power Tolerance	(0,+3%)								
Maximum System Voltage	1500 VDC								
Maximum Series Fuse Rating	20A								

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5;

## Rear Side Power Gain(M6-72-450-BG)

Power Gain	10%	15%	20%	25%	30%
Maximum Power -Pmp (W)	490	512	534	556	579
Open Circuit Voltage -Voc (V)	49.9	49.9	49.9	49.9	49.9
Short Circuit Current -Isc (A)	12.47	13.04	13.61	14.18	14.74
Maximum Power Voltage -Vmp (V)	41.6	41.6	41.6	41.6	41.6
Maximum Power Current -Imp (A)	11.77	12.31	12.84	13.38	13.91

## Temperature Characteristics

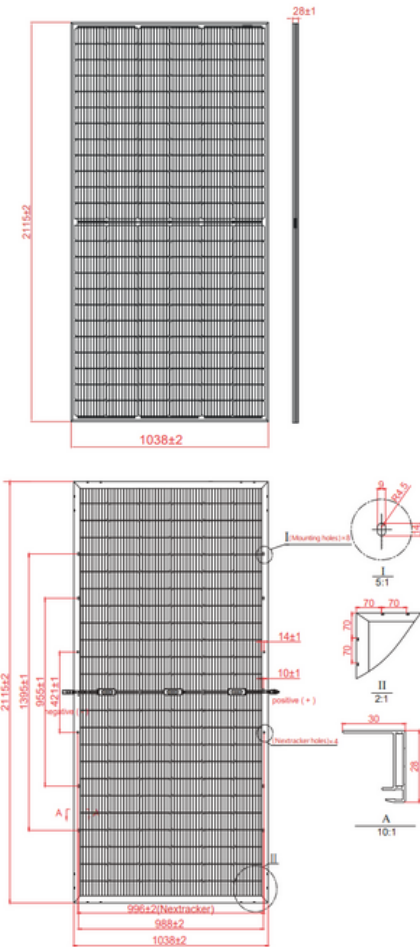
Pmax Temperature Coefficient	-0.36 %/°C
Voc Temperature Coefficient	-0.28 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2°C
Fire Rating	Class C

## Mechanical Specifications

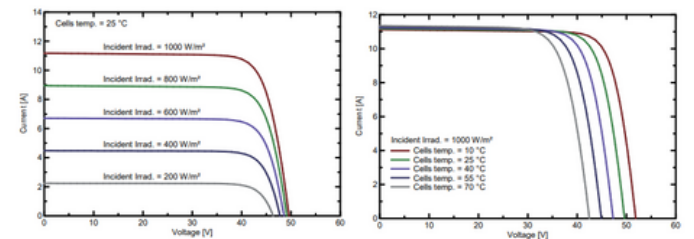
External Dimension	2115 x 1038 x 28 mm
Weight	23.5kg
Solar Cells	PERC Mono 166x83mm (144pcs)
Front Glass	1.6mm+1.6mm AR coating semi-tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68,3 diodes
Output Cables	4.0 mm <sup>2</sup> ,Portrait:1100mm or Customized Length
Connector	Genuine MC4 Connector /Compatible MC4 Connector
Mechanical Load	Front side 5400 Pa/ Rear side 2400 Pa

## Packing Configuration

	2115 x 1038 x 28 mm
Container	40'HQ
Pieces per Pallet	38+38+6
Pallets per Container	11
Pieces per Container	902



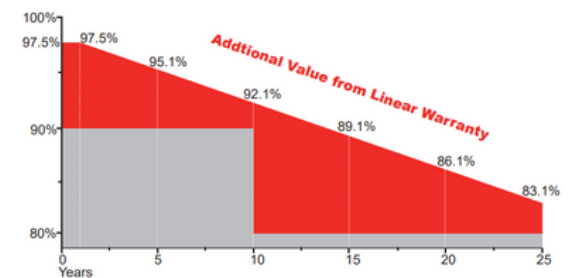
## I-V Curve



## Product Certificates



## Warranty



Guarantee on product material and workmanship



Linear power output warranty