



GSUN-XXX-BMA: Maximum System Voltage 1000 VDC.
GSUN-XXX-BMA-HV: Maximum System Voltage 1500 VDC.

GSUN-BMA(-HV)-(390-405) SERIES 6 INCH 144 CELLS

Electrical Characteristics

Module Type	GSUN-390-BMA GSUN-390-BMA-HV	GSUN-395-BMA GSUN-395-BMA-HV	GSUN-400-BMA GSUN-400-BMA-HV	GSUN-405-BMA GSUN-405-BMA-HV
	STC	STC	STC	STC
Maximum Power at STC (Pmp)	390	395	400	385
Open Circuit Voltage (Voc)	48.7	48.9	49.1	49.4
Short Circuit Current (Isc)	9.95	10.03	10.10	10.15
Maximum Power Voltage (Vmp)	41.2	41.4	41.6	41.9
Maximum Power Current (Imp)	9.47	9.55	9.62	9.67
Module Efficiency at STC(η m)	19.32	19.56	19.81	20.06
Power Tolerance	(0, +4.99)			
Maximum System Voltage	1000 VDC / 1500 VDC			
Maximum Series Fuse Rating	20A			

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

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

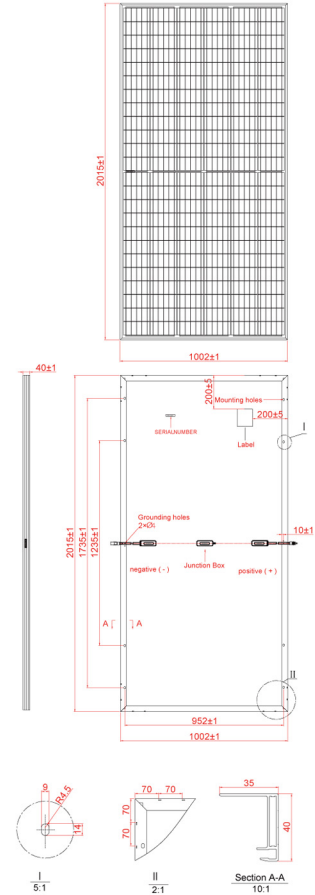
Mechanical Specifications

External Dimensions	2015 x 1002 x 40 mm
Weight	23.0kg
Solar Cells	PERC Mono crystalline 158.75 × 79.375 mm(144pcs)
Front Glass	3.2 mm AR coating tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP68, 3 diodes
Output Cable	4.0 mm ² , Portrait:255mm(+)/355mm(-);Landscape:1200mm
Connector	TT02;PV-KST4/xy-UR;PV-KBT4/xy-UR;
Mechanical Load	5400 Pa

Packing Configuration

	2015 x 1002 x 40 mm		
Container	20'GP	40'GP	40'HQ
Pieces per Pallet	27	27	27+2*
Pallets per Container	10	22	22
Pieces per Container	270	594	638

* 27+2 pieces per pallet is the special package which only suits for container transport.



I-V Curve

