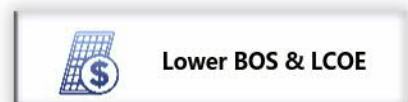
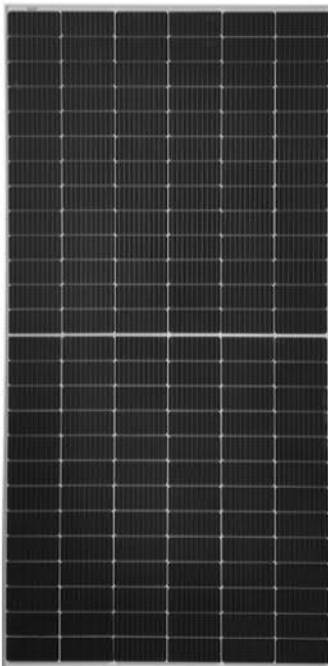


GOOSUN SERIES 5

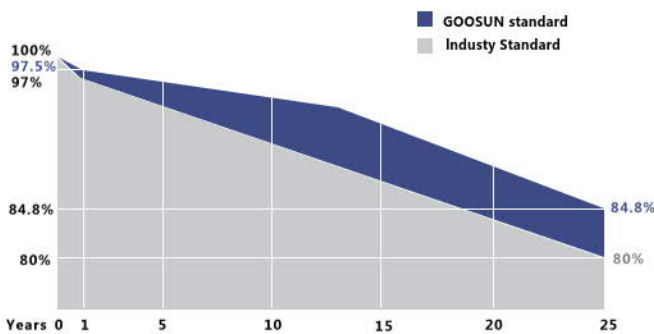
585-605W Mono

M10/182mm Cell . 156 Half-Cell Layout

GOOSUN Series 5 solar modules stand out with the breakthrough innovation of M10 size (182mm) solar cells for the highest power generation and the lowest LCOE, which makes Series 5 the optimal choice for large solar power plants. The gallium-doped wafer technology empowers significantly the performance against LID and the latest integrated segmented ribbon technology increases the power output and enhances the module reliability for long-term use.



Linear performance Warranty



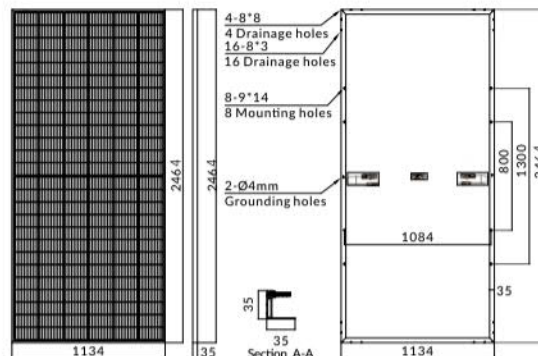
Comprehensive Certificates

- ISO9001:2015 QMS
- ISO14001:2015 EMS
- ISO45001:2018 OHSMS
- IEC61215/IEC61730 Standard quality



MECHANICAL CHARACTERISTICS

Solar Cells	Mono
No. of Cells	156 (6x26)
Dimensions	2464 x 1134 x 35mm
Weight	35.0kgs
Front Glass	3.2mm coated tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip68 rated (3 by pass diodes)
	4.0mm ²
Output Cables	300mm (+) / 400mm (-)
	Length can be customized
Connectors	Mc4 compatible
Mechanical load test	5400Pa



ELECTRICAL PARAMETERS

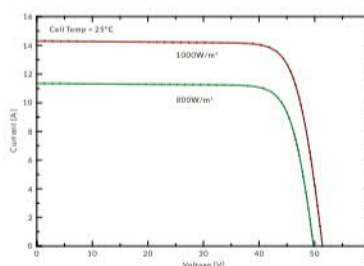
POWER CLASS	GC-585-78MDH		GC-590-78MDH		GC-595-78MDH		GC-600-78MDH		GC-605-78MDH	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power (Pmax)	585W	435.5W	590W	439.3W	595W	443W	600W	446.8W	605W	450.6W
Open Circuit Voltage (Voc)	53.75V	50.60V	53.87V	50.70V	54.01V	50.80V	54.15V	51.00V	54.29V	51.10V
Short Circuit Current (Isc)	13.86A	11.17A	13.93A	11.23A	14.00A	11.28A	14.07A	11.34A	14.14A	11.40A
Voltage at Maximum power (Vmpp)	45.11V	42.10V	45.25V	42.20V	45.39V	42.30V	45.53V	42.50V	45.67V	42.60V
Current Maximum Power (Impp)	12.97A	10.35A	13.04A	10.41A	13.11A	10.46A	13.18A	10.52A	13.25A	10.57A
MODULE EFFICIENCY (%)	20.7 %		20.9%		21.1%		21.3%		21.5%	

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G NOCT: Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

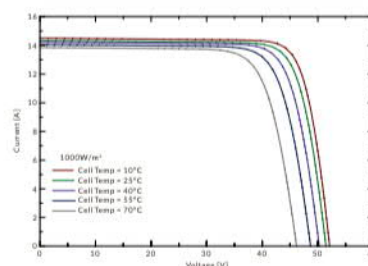
PACKING CONFIGURATION

Container	40'HQ
Pieces per pallet	31
Pallets per container	18
Pieces per container	558

I-V CURVE



GC-595-78MDH/I-V



OPERATING CHARACTERISTICS

Operating Module Temperature	-40°C to + 85°C
Maximum System Voltage	1500 DC (IEC)
Maximum Series Fuse Rating	25A
Power Tolerance	0/+5W

TEMPERATURE CHARACTERISTICS

Nominal Operating Temperature (Noct)	45±2°C
Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Isc	+0.05%/°C

Note: Due to continuous technical innovation, R&D and improvement ,technical data above mentioned may be of modification accordingly. GOOSUN SOLAR have the sole right to make such modification at anytime without further notice.