



EMPOWERING YOU THROUGH NATURE

GRAYMAN SOLAR



Factory Address :

Plot No. 106, Sector-16, HSIIDC
Industrial Estate, Bahadurgarh,
Haryana

Office Address :

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Gomti Nagar, Lucknow

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Toll free Number: 1800 203 5636

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www.graymansolar.com



INVEST IN FREE ENERGY

ABOUT US

The story of Grayman Solar started when our CEO noticed there was a gap between people's need and the supplier's offering. He is not only passionate about providing renewable energy solutions but to have these solutions reach to those farfetched suburban and rural areas as well.

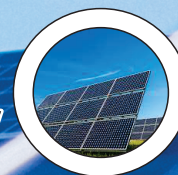
We're in this for the long haul: we aim to be your installer and supplier of choice – in fact, your only installer and supplier. We understand this requires more than just a few quality products and great pricing on our end. We know you also need the most professional, personal, informative and quickest service available. We know that the quality of our service affects your work, your reputation and the money you make, so we know we have to be the best & that's what we offer you. A service which is best in class and available to you right here in Uttar Pradesh, India.

Why Choose Us ??

Affordable Rates



Better Module Efficiency



Best In Class Service



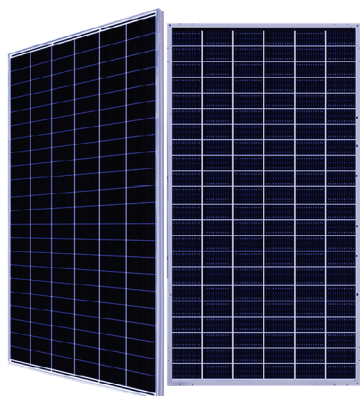
SAVE

UPTO 70%
on electricity bills

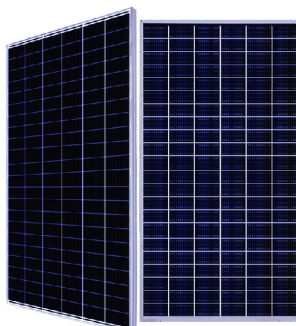
QUALITY DESIGN | GREAT DURABILITY | EASY INSTALLATION



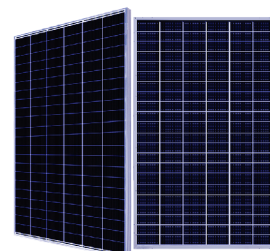
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Poly Modules : 110W



Poly Modules : 80W



Poly Modules : 45/55W

MECHANICAL DATA

	Poly Modules : 110W	Poly Modules : 80W	Poly Modules : 45/55W
Cell Type	: 104/52mm x 156.75mm	: 78.37mm x 156.75mm	: 52.25mm x 156.75mm
Cell Arrangement	: 36/72 Cells in Series	: 36 Cells in Series	: 36 Cells in Series
Dimensions	: 1010 x 665 x 30mm	: 780 x 665 x 30mm	: 545 x 665 x 30mm
Weight	: 7.8 Kg	: 6.2 Kg	: 4.6 Kg
Front Cover	: 3.2 mm tempered glass	: 3.2 mm tempered glass	: 3.2 mm tempered glass
Frame Material	: Anodized Aluminium Alloy	: Anodized Aluminium Alloy	: Anodized Aluminium Alloy
J-Box	: IP67, 2 Diodes	: IP65, 2 Diodes	: IP65, 2 Diodes
Cable	: 4mm ²	: 4mm ²	: 4mm ²

ELECTRICAL SPECIFICATION

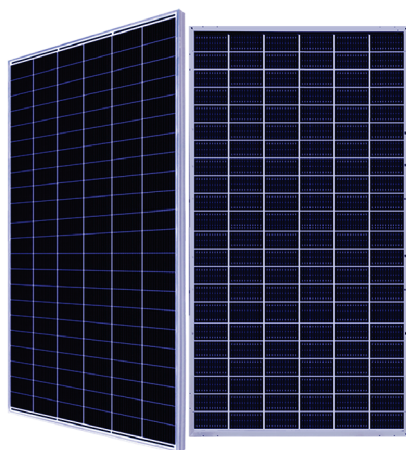
	Poly Modules : 110W	Poly Modules : 80W	Poly Modules : 45/55 W
Model Type	: GMS-110	: GMS-80	: GMS-45/55
Nominal Maximum Power (Pmax)	: 110 W	: 80 W	: 45/55 W
Optimum Operating Voltage (Vmp)	: 19.00 V	: 18.91 V	: 18.43 V
Optimum Operating Current (Imp)	: 5.69 A	: 4.23 A	: 2.71 A
Open Circuit Voltage (Voc)	: 22.97 V	: 22.68 V	: 22.28 V
Short Circuit Current (Isc)	: 5.99 A	: 4.42 A	: 2.88 A
Module Efficiency (%)	: 15.91%	: 15.42 %	: 13.80 %
Power Tolerance	: 0 TO +6 W	: 0 TO +2 W	: 0 TO +2 W
Maximum System Voltage	: DC 1000 V	: DC 600 V	: DC 600 V
Maximum Temperature	: -40 °C- +85 °C	: -40 °C- +85 °C	: -40 °C- +85 °C
Maximum Series fuse Rating	: 10 A	: 6 A	: 6 A
Numbers of Bypass Diode	: 2	: 2	: 2



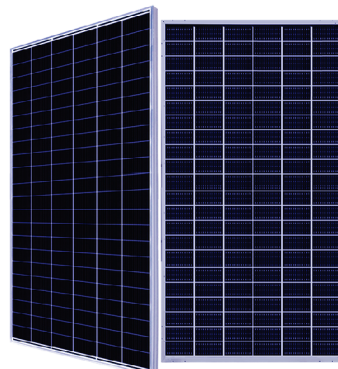
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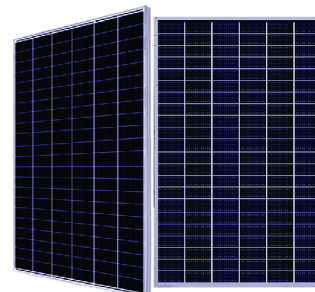
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Poly Modules : 335W



Poly Modules : 265W



Poly Modules : 170W

MECHANICAL DATA

	Poly Modules : 335W	Poly Modules : 265W	Poly Modules : 170W
Cell Type	: 156.75mm x 156.75mm	: 157 mm x 157 mm	: 78.37mm x 156.75mm
Cell Arrangement	: 72 Cells in Series	: 60 Cells In Series	: 72 Cells in Series
Dimensions	: 1956 x 990 x 40/35mm	: 1645 x 990 x 35 mm	: 1490 x 670 x 35mm
Weight	: 22.00 Kg	: 18 Kg	: 12 Kg
Front Cover	: 3.2 mm tempered glass	: 3.2 mm tempered glass	: 3.2 mm tempered glass
Frame Material	: Anodized Aluminium Alloy	: Anodized Aluminium Alloy	: Anodized Aluminium Alloy
J-Box	: IP68, 3 Diodes	: IP68, 3 Diodes	: IP67, 2 Diodes
Cable	: 4mm ²	: 4mm ²	: 4mm ²

ELECTRICAL SPECIFICATION

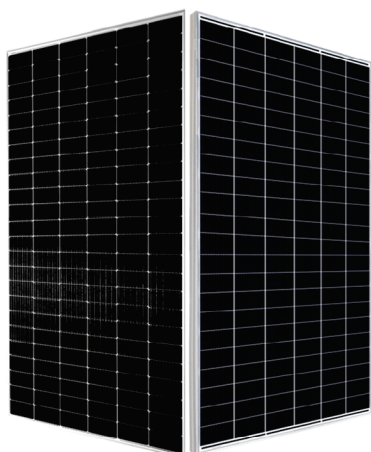
	Poly Modules : 335W	Poly Modules : 265W	Poly Modules : 170W
Model Type	: GMS-335	: GMS-265	: GMS-170
Nominal Maximum Power (Pmax)	: 335 W	: 265 W	: 170 W
Optimum Operating Voltage (Vmp)	: 37.99 V	: 32.46 V	: 19.35 V
Optimum Operating Current (Imp)	: 8.82 A	: 8.48 A	: 8.46 A
Open Circuit Voltage (Voc)	: 45.8 V	: 38.16 V	: 23.01 V
Short Circuit Current (Isc)	: 9.3 A	: 8.96 A	: 8.84 A
Module Efficiency (%)	: 17.39%	: 16.58%	: 16.45 %
Power Tolerance	: 0 TO +6 W	: 0 TO +6 W	: 0 TO +6 W
Maximum System Voltage	: DC 1500 V	: DC 1000 V	: DC 1000 V
Maximum Temperature	: -40 °C- +85 °C	: -40 °C- +85 °C	: -40 °C- +85 °C
Maximum Series fuse Rating	: 20 A	: 20 A	: 10 A
Numbers of Bypass Diode	: 3	: 3	: 2



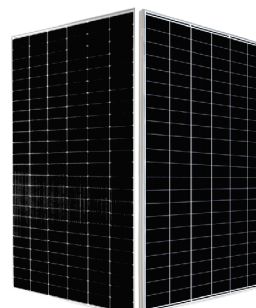
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Mono Module : 415W



Mono Module : 205W

MECHANICAL DATA

Mono Modules : 415W

Mono Modules : 205W

Cell Type	:	157 mm x 157 mm	:	158.75mm x 158.75mm
Cell Arrangement	:	72 Cells in Series	:	36 Cells in Series
Dimensions	:	1956 x 990 x 40/35mm	:	1335 x 990 x 35mm
Weight	:	22.00 Kg	:	13.50 Kg
Front Cover	:	3.2 mm tempered glass	:	3.2 mm tempered glass
Frame Material	:	Anodized Aluminium Alloy	:	Anodized Aluminium Alloy
J-Box	:	IP67, 3 Diodes	:	IP65, 3 Diodes
Cable	:	4mm ²	:	4mm ²

ELECTRICAL SPECIFICATION

Mono Modules : 415W

Mono Modules : 205W

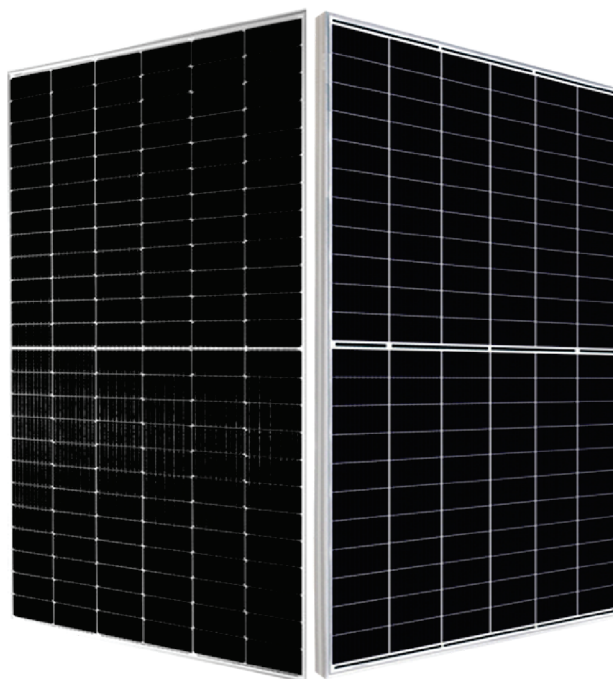
Model Type	:	GMS-415	:	GMS-205
Nominal Maximum Power (Pmax)	:	415W	:	205 W
Optimum Operating Voltage (Vmp)	:	42.01 V	:	20.65 V
Optimum Operating Current (Imp)	:	9.72 A	:	9.63 A
Open Circuit Voltage (Voc)	:	49.35 V	:	24.86 V
Short Circuit Current (Isc)	:	10.30 A	:	10.40 A
Module Efficiency (%)	:	20.50%	:	19.44 %
Power Tolerance	:	0 TO +6W	:	0 TO +6 W
Maximum System Voltage	:	DC 1500V	:	DC 1000 V
Maximum Temperature	:	-40 °C-+85 °C	:	-40 °C- +85 °C
Maximum Series fuse Rating	:	20A	:	10 A
Numbers of Bypass Diode	:	3	:	2



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Mono PERC Half Cut Modules : 435W (144 CELLS)

MECHANICAL DATA

Solar Cell	: Mono PERC 5BB
Cell Type	: 166mm x 83mm
Cell Arrangement	: 144 Cells in Series
Dimensions	: 2094 x 1038 x 30mm
Weight	: 28.00 Kg
Front Cover	: 3.2mm Full Tampered Glass
Frame Material	: Anodized Aluminium Alloy
J-Box	: IP67, 3 Diodes
Cable	: 4mm ²
Connectors	: Mc4

ELECTRICAL SPECIFICATION

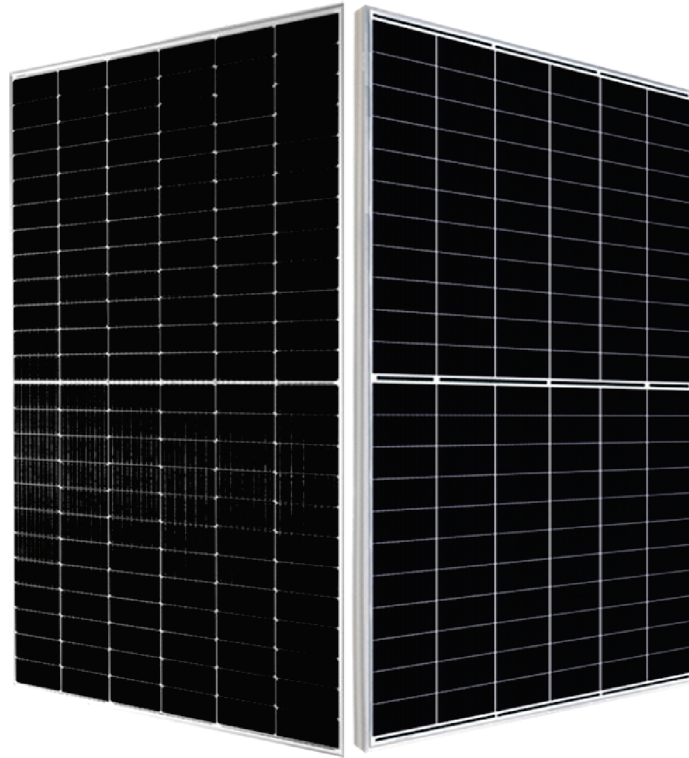
Model Type	: GMS435
Nominal Maximum Power (Pmax)	: 435 W
Optimum Operating Voltage (Vmp)	: 40.54 V
Optimum Operating Current (Imp)	: 10.86 A
Open Circuit Voltage (Voc)	: 49.09 V
Short Circuit Current (Isc)	: 11.39 A
Module Efficiency (%)	: 20.84%
Power Tolerance	: Positive
Maximum System Voltage	: DC 1500 V
Maximum Temperature	: -40 °C- +85 °C
Maximum Series fuse Rating	: 20 A
Numbers of Bypass Diode	: 3



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Mono PERC Half Cut Modules : 550W (144 CELLS)

MECHANICAL DATA

Solar Cell	: Mono PERC 5BB
Cell Type	: 91mm x 182mm
Cell Arrangement	: 144 (6 x 24)
Dimensions	: 2296 x 1141 x 40/35mm
Weight	: 29.5 Kg
Front Cover	: 3.2mm Full Tempered Glass
Frame Material	: Anodized Aluminium Alloy
J-Box	: IP68, 3 Diodes
Cable	: 4 mm ²
Connectors	: Mc4

ELECTRICAL SPECIFICATION

Model Type	: GMS550
Nominal Maximum Power (Pmax)	: 550 Wp
Optimum Operating Voltage (Vmp)	: 42.40 V
Optimum Operating Current (Imp)	: 13.21 A
Open Circuit Voltage (Voc)	: 50.23 V
Short Circuit Current (Isc)	: 14.24 A
Module Efficiency (%)	: 21.30%
Power Tolerance	: 0 to +5 W
Maximum System Voltage	: 1500 V DC
Maximum Temperature	: -40 °C-+85 °C
Maximum Series fuse Rating	: 30 A
Numbers of Bypass Diode	: 3



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