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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Changzhou Great Solar Technology Co., Ltd.  
Small Size GSM Poly 12W-100W  
GSM-50W-P**

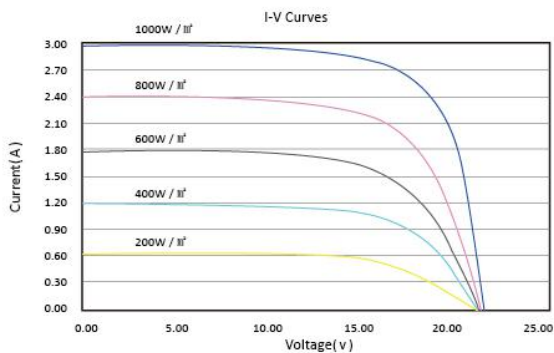
Also available on the web at  
[EnergyPal.com/changzhou-great-solar-technology-co-ltd-solar-panels/gsm-50w-p](http://EnergyPal.com/changzhou-great-solar-technology-co-ltd-solar-panels/gsm-50w-p)

## DATASHEET

## GSM Poly Series

Model Number	Pm(W)	Vmp(V)	Imp(A)	Voc(V)	Isc(A)	Module Efficiency(%)	Weight(KGS)	Dimension(MM)
GSM-12W-P	12	17.8	0.68	22.1	0.74	10.75	1.2	310×360×17
GSM-15W-P	15	17.8	0.85	22.1	0.95	12.08	1.5	360×345×17
GSM-25W-P	25	18.1	1.39	22.4	1.54	13.10	2.3	530×360×25
GSM-35W-P	35	17.9	1.96	22.1	2.18	12.74	3.3	670×410×25
GSM-50W-P	50	18.4	2.72	22.4	2.96	13.77	4.2	660×550×25
GSM-80W-P	80	18.2	4.40	22.5	5.01	15.51	6.0	770×670×25
GSM-100W-P	100	18.2	5.50	22.5	6.25	14.93	7.5	1000×670×25
Nominal Operating Cell Temperature(NOCT)								45 ± 2 °C
Temperature Coefficient Of Pmax(%/°C)								-0.39
Temperature Coefficient Of Voc(%/°C)								-0.34
Temperature Coefficient Of Isc(%/°C)								0.09
Operating Temperature								-40~+85 °C
Storage Temperature								-40~+85 °C
Frame Model							Anodized Aluminum Alloy	
Solar Cells							Polycrystalline	
Glass							Low Iron, Tempered Glass, 3.2 mm	
Connector							Optional	
Cable							Optional	

### I-V CURVES GSM-50W-P



- 5-year product warranty
- 12-year linear power output warranty



CAUTION: Great Solar reserves all rights. Design and specification are subject to change without prior notice.

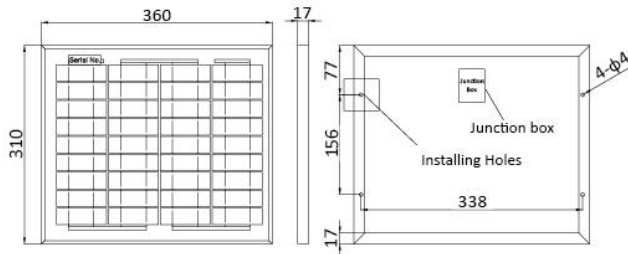
# LG GREAT SOLAR

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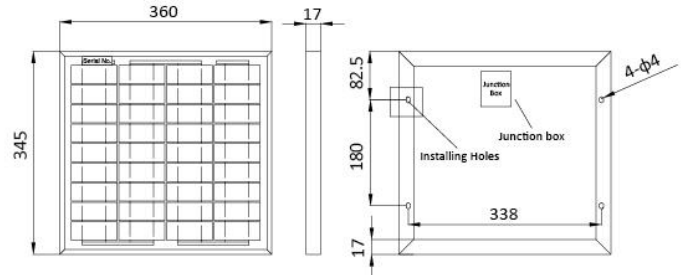
GSM Poly Series

## PRODUCT DRAWING

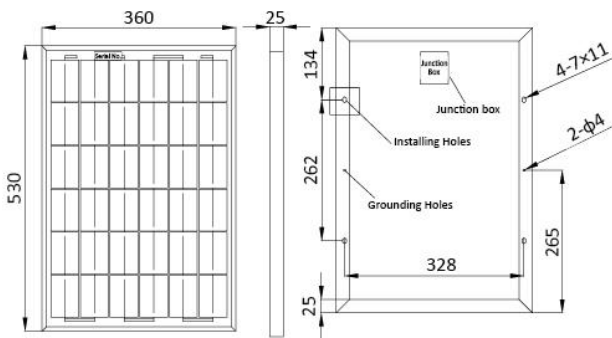
GSM-12W-P



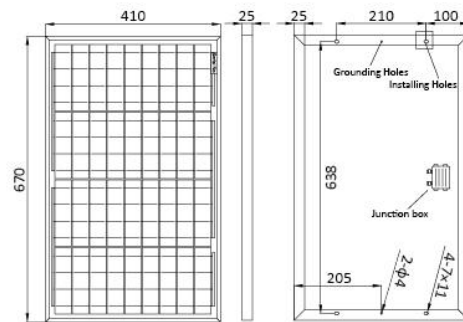
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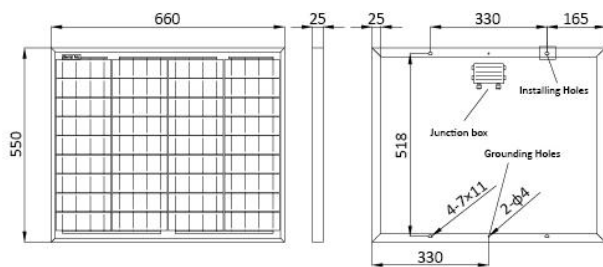
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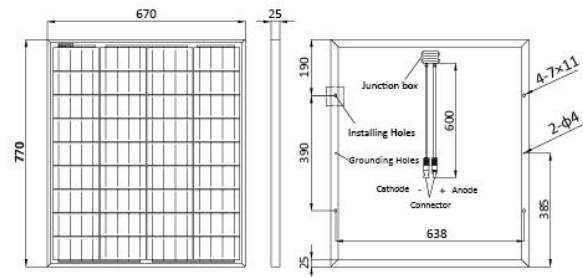
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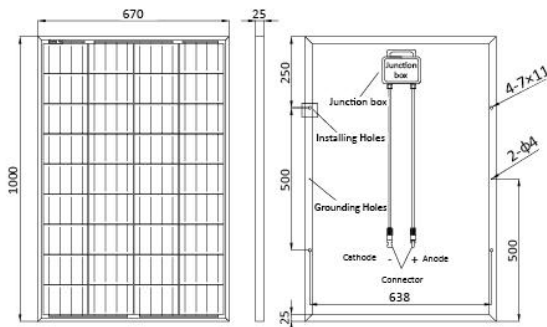
GSM-50W-P



GSM-80W-P



GSM-100W-P

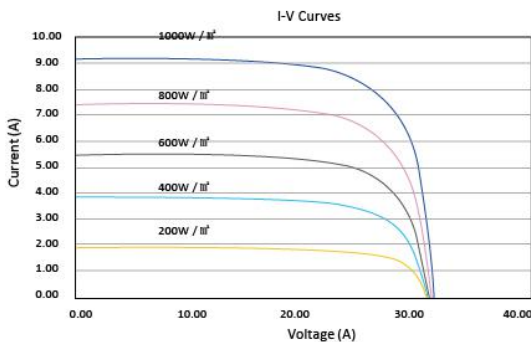


## DATASHEET

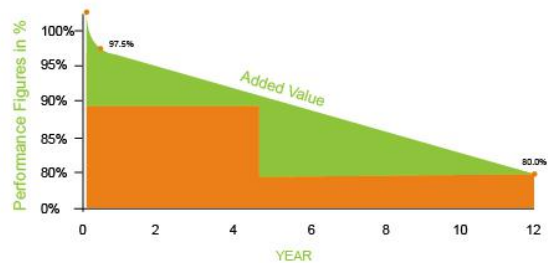
## GSM Poly Series

Model Number	Pm(W)	Vmp(V)	Imp(A)	Voc(V)	Isc(A)	Module Efficiency(%)	Weight(KGS)	Dimension(MM)
GSM-130W-P	130	18.6	6.99	22.7	7.91	15.50	9.5	1252×670×30
GSM-140W-P	140	18.4	7.61	22.4	8.23	15.83	10.0	1320×670×30
GSM-160W-P	160	18.6	8.61	22.7	9.74	16.14	11.2	1480×670×30
GSM-210W-P	210	26.5	7.93	33.0	8.81	16.04	15.5	1320×992×35
GSM-240W-P	240	28.6	8.40	35.0	9.20	16.35	17.0	1480×992×35
Nominal Operating Cell Temperature(NOCT)								45 ± 2 °C
Temperature Coefficient Of Pmax(%/°C)								-0.39
Temperature Coefficient Of Voc(%/°C)								-0.34
Temperature Coefficient Of Isc(%/°C)								0.09
Operating Temperature								-40~+85 °C
Storage Temperature								-40~+85 °C
Frame Model							Anodized Aluminum Alloy	
Solar Cells							Polycrystalline	
Glass							Low Iron, Tempered Glass, 3.2 mm	
Connector							Optional	
Cable							Optional	

### I-V CURVES GSM-240W-P



- 5-year product warranty
- 12-year linear power output warranty



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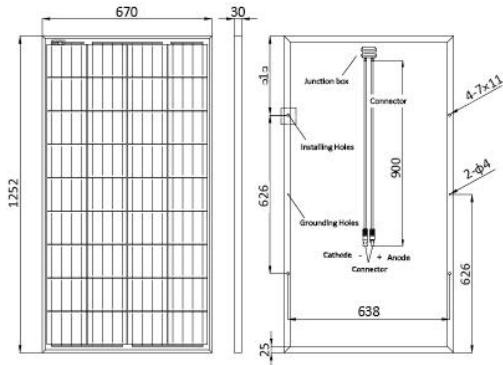
# LG GREAT SOLAR

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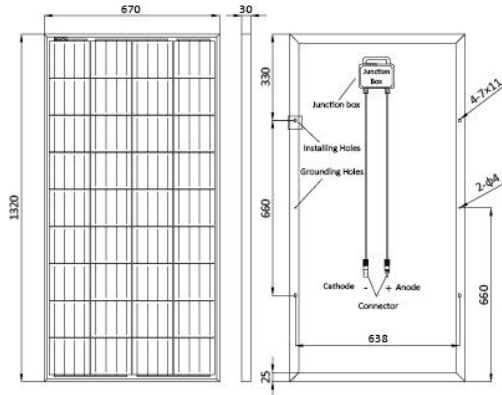
GSM Poly Series

## PRODUCT DRAWING

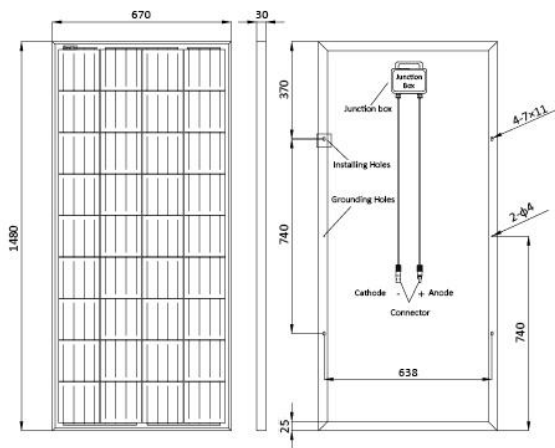
GSM-130W-P



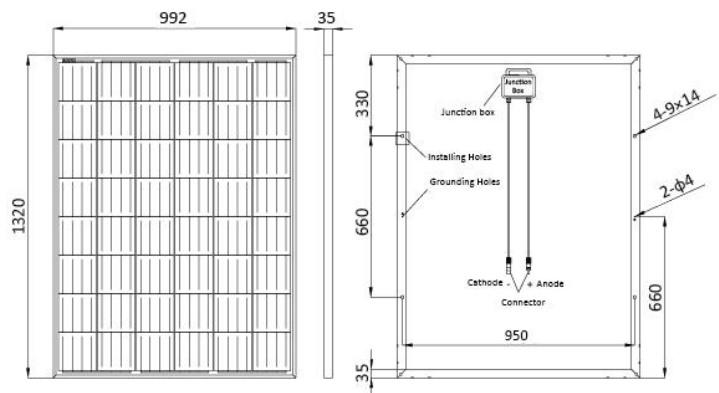
GSM-140W-P



GSM-160W-P



GSM-210W-P



GSM-240W-P

