

For a Free Quote:

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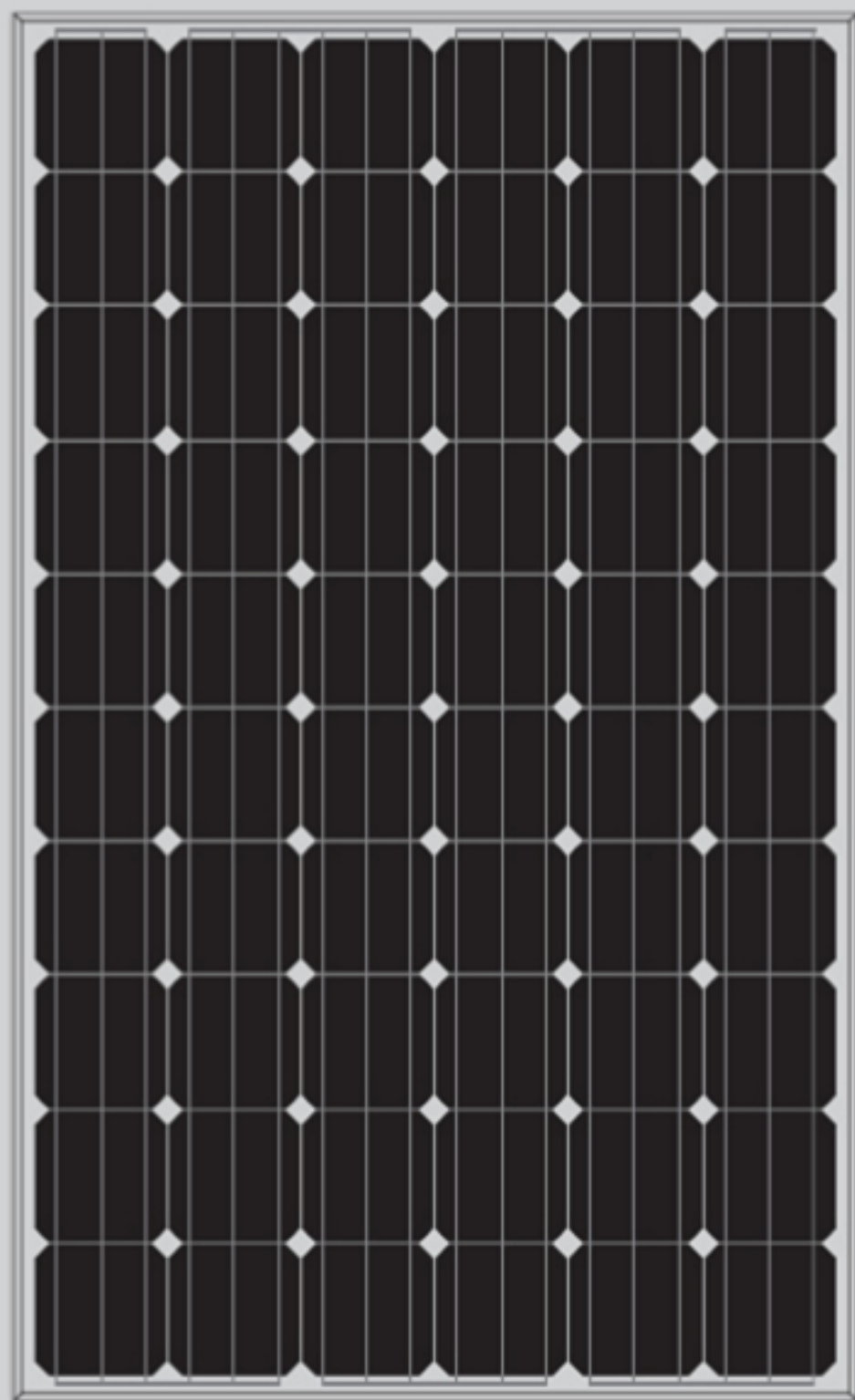
EnergyPal

Solar Panel Guide Specification Data Sheet

**Greenergy Power
GP-250-275 Mono
GP-255**

Also available on the web at
EnergyPal.com/greenergy-power-solar-panels/gp-255

MONOCRYSTALLINE SILICON MODULE



GREENERGY POWER
SOLAR TECHNOLOGY

GP-250 GP-255 GP-260 GP-265 GP-270 GP-275 MONOCRYSTALLINE SILICON MODULE

Products Characteristics



Widely using of the most popular and mature type of modules for on-grid system.



Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).



High salt and ammonia resistance



Positive power tolerance: 0~+5w

Warranty

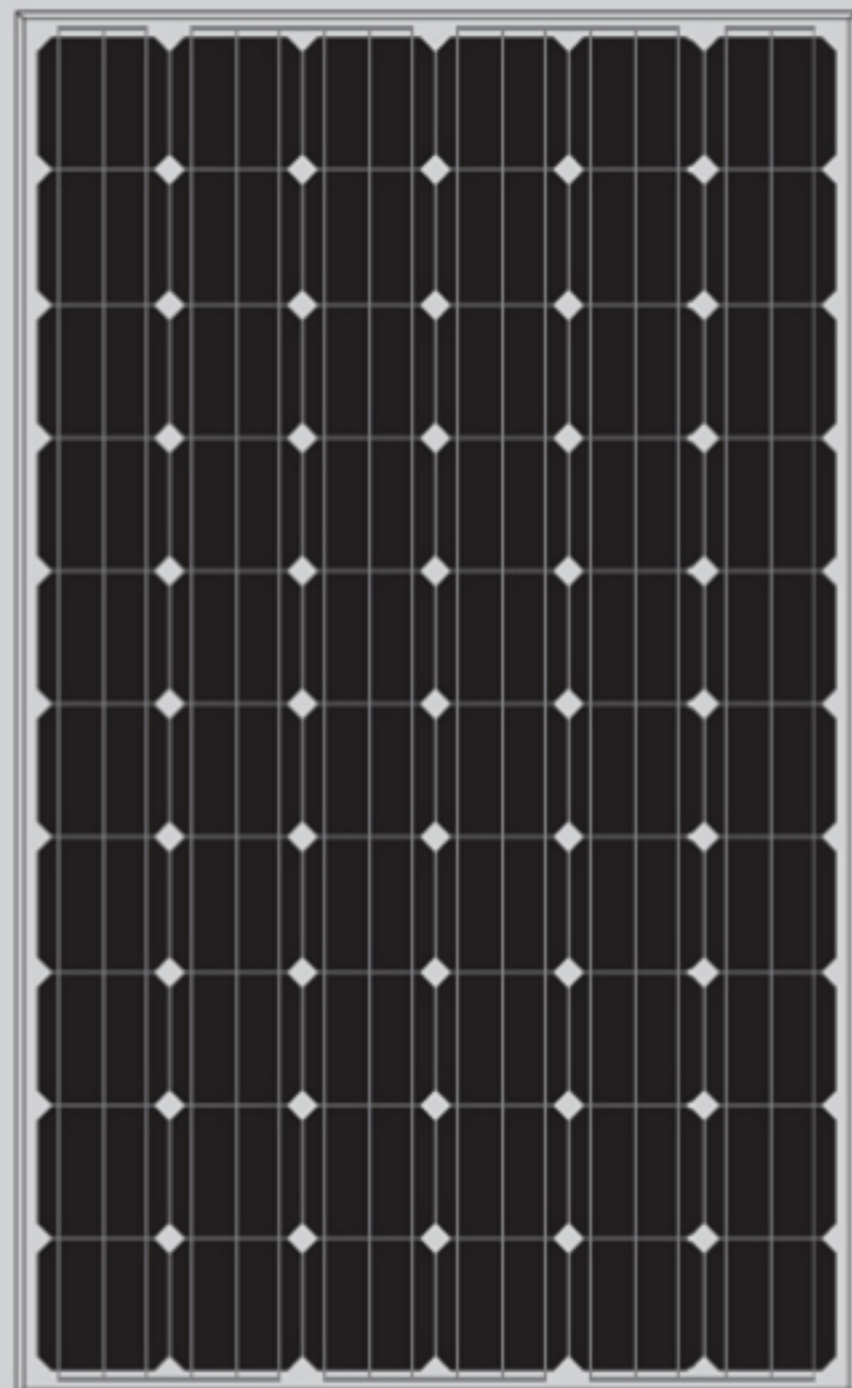
- 5 years product warranty
- 10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty

GP-250 GP-255 GP-260 GP-265 GP-270 GP-275

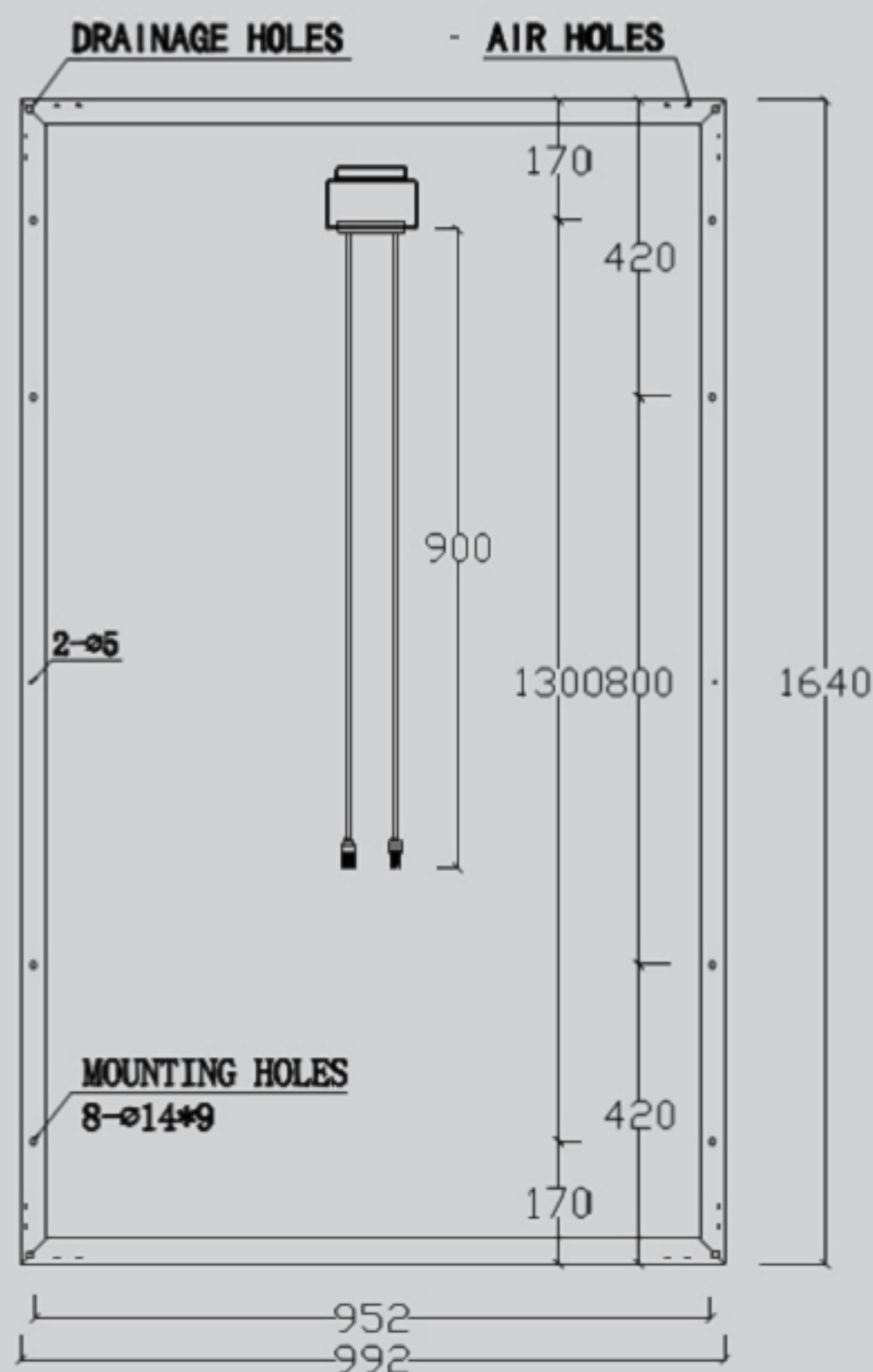


GREENERGY POWER
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Engineering Drawings (Front Side)



Engineering Drawings (Back Side)



Raw materials and Mechanical Parameters

	GP-250	GP-255	GP-260	GP-265	GP-270	GP-275
Type of Cells(mm)	mono156 × 156					
NO. of Cells and Connections	6 × 10=60					
Dimensions(mm)(L*W*H)	1640 × 992 × 40					
Weight(kg)	18.8					
Glass	3.2mm Tempered Glass					
Encapsulation	EVA					
Backsheet	Multilayer Composite					
Aluminium-Frame	Silvery/Black Anodized aluminium alloy					
Junction-Box	IP65/IP67					
Cable	4mm ² ,900mm					
Connector	MC4 and MC4 Compatible					
Package Configuration	25pcs/pallet					

Performance Parameters

	GP-250	GP-255	GP-260	GP-265	GP-270	GP-275
Maximum System Voltage	1000V					
Operating Temperature	-45~+80°C					
Maximum Series Fuse	10A					
Maximum Static Load,Front Side (e.x. Snow,Wind)	5400Pa					
Maximum Static Load, Back Side(e.x. Wind)	2400Pa					
Application Grade	Class A					

Electrical Parameters (Standard Test Condition)

	GP-250	GP-255	GP-260	GP-265	GP-270	GP-275
Rated Maximum Power(Mp)	250W	255W	260W	265W	270W	275W
Power Tolerance	0- +5W					
Cell Efficiency	17.6%	18.0%	18.3%	18.7%	19.0%	19.4%
Open Circuit Voltage(Voc)	36.8V	37.0V	37.2V	37.4V	37.6V	37.7V
Maximum Power Voltage(Vmp)	29.8V	30.0V	30.2V	30.4V	30.6V	30.6V
Short Circuit Current(Isc)	8.84A	8.99A	9.12A	9.22A	9.32A	9.46A
Maximum Power Current(Imp)	8.39A	8.50A	8.64A	8.72A	8.83A	8.99A
Temperature Coefficient of Isc	+0.06%					
Temperature Coefficient of Voc	-0.32%					
Temperature Coefficient of Pmp	-0.45%					
Standard Test Condition	Irradiance:1000W/M2,Cell Temperature:25°C,Spectrum AM:1.5					

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.