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# **EnergyPal**

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

**Gintech Energy Corporation  
GIN M6F-60  
GIN M6F-60-295**

Also available on the web at  
[EnergyPal.com/gintech-energy-corporation-solar-panels/gin-m6f-60-295](http://EnergyPal.com/gintech-energy-corporation-solar-panels/gin-m6f-60-295)

# GIN M6F-60

# GINTECH

## 60 Cells

Monocrystalline Module

## 295~315W

Power Output Range

## 19.4%

Maximum Efficiency

## 0~+5W

Positive Power Tolerance

### Gintech Energy Corporation

GINTECH was established in 2005, headquartered in Taiwan as public listed company which has been one of the global leading manufacturers of solar CELL and MODULE.

Our core competence harmonizes the complete process chain in developing and manufacturing PV Modules with reliable quality and performance for worldwide residential, commercial and utility-scale projects.



## Key Features



### High Mechanical Loads of Wind and Snow

Certified to bear 2,400Pa wind load, and 5,400Pa snow load



### Excellent Low Light Performance

On cloudy days, mornings and evenings



### Highly Resistant to Salt-mist Corrosion

IEC-61701, Ed 2.0 certified



### Resistant to Ammonia Corrosion

IEC-62716 certified



### Resistant to PID (Potential Induced Degradation) effect

Qualified cell & materials lead to 60°C, 85%RH, -1000V, 96hr certified



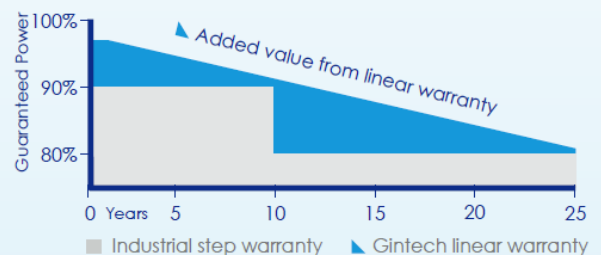
### 100% EL Double Inspection

Defect-free in module-level



### 25 Years Linear Warranty of Power Output

Plus 10 years product warranty



## GIN M6F-60

Monocrystalline module

### ELECTRICAL CHARACTERISTICS : STC

Power Rating (Pmax) (W)	295	300	305	310	315
Open Circuit Voltage (Voc) (V)	39.4	39.5	39.6	39.7	39.8
Short Circuit Current (Isc) (A)	9.79	9.89	9.99	10.08	10.18
Max Power Voltage (Vmp) (V)	32.8	33.0	33.2	33.4	33.6
Max Power Current (Imp) (A)	8.99	9.10	9.19	9.29	9.39
Module Efficiency (%)	18.1	18.4	18.7	19.1	19.4

STC (Standard Test Condition) : Irradiance of 1000W/m<sup>2</sup>, AM1.5G and cell temperature (25±2)°C

### ELECTRICAL CHARACTERISTICS : NOCT

Power Rating (Pmax) (W)	212	216	219	223	227
Open Circuit Voltage (Voc) (V)	36.3	36.4	36.5	36.6	36.7
Short Circuit Current (Isc) (A)	7.92	7.99	8.09	8.16	8.24
Max Power Voltage (Vmp) (V)	30.0	30.2	30.4	30.6	30.8
Max Power Current (Imp) (A)	7.07	7.16	7.23	7.30	7.38

NOCT: open-circuit module operation temperature at 800W/m<sup>2</sup> irradiance, 20°C ambient temperature, 1m/s wind speed.

### MECHANICAL DATA

Solar cells	6" Monocrystalline
Cell connection	60 cells (6 x 10)
Module dimension (mm / inch)	1640 x 992 x 40 mm / 64.57" x 39.06" x 1.57"
Weight (kg / lb)	18.5 / 40.7 (approx.)
Glass	High transparency tempered glass 3.2mm (0.13")
Frame	Anodized aluminium alloy
J-Box	IP-68 rated, 3 diodes
Cables	Length 1,100mm * diameter 4mm <sup>2</sup> each
Connector	PV-ZH202
Packaging configuration	26pcs / pallet

Packing : 26pcs/pallet, 728pcs/40' HQ container.

### WORKING CONDITIONS

System voltage (DC)	IEC : 1000V / UL : 1000V
Series fuse rating	15A
Temperature cycling range	-40~85°C
Static load	5400Pa
Application class	Class A

### TEMPERATURE DATA

NOCT	46±2°C
Temp Coefficient of Voc (%/°C)	-0.34
Temp Coefficient of Isc (%/°C)	0.049
Temp Coefficient of Pmax (%/°C)	-0.45

### WARRANTY

25 Years on Performance Linear Warranty

10 Years on Limited Product Warranty

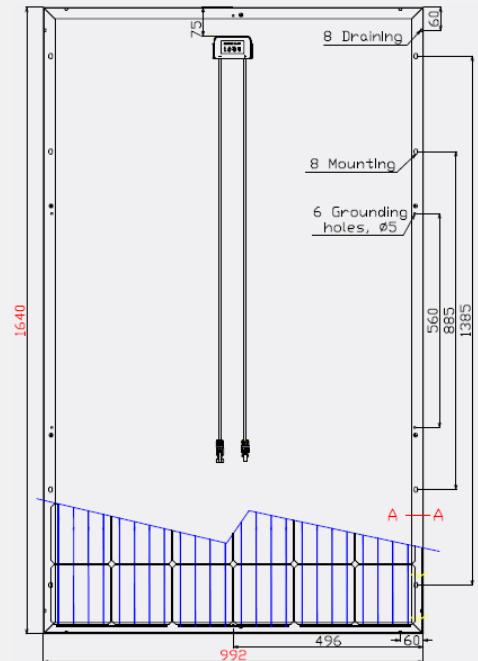
### CERTIFICATES



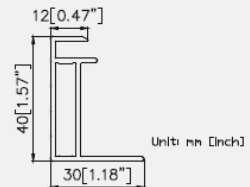
### GINTECH ENERGY CORPORATION

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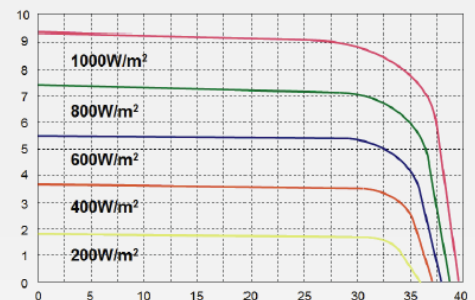
### MODULE DIMENSION



### section A-A



### I-V curve on Irradiance Level



The data do not refer to a single module and they are not part of the offer, they only serve for comparison to different module types