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# **EnergyPal**

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

**Gintech Energy Corporation**

**D6M\_H3A**

**D6M\_H3A\_300**

Also available on the web at  
[EnergyPal.com/gintech-energy-corporation-solar-panels/d6m\\_h3a\\_300](http://EnergyPal.com/gintech-energy-corporation-solar-panels/d6m_h3a_300)

## D6M\_H3A

### 60 Cells

Monocrystalline Module

### 300~315W

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



#### 100% EL Double Inspection

Defect-free in module-level



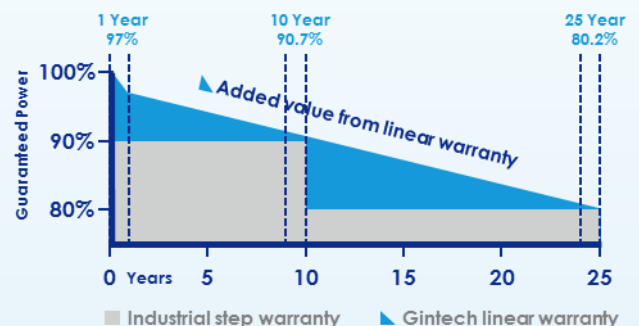
#### Resistant to Ammonia Corrosion

IEC-62716 certified



#### 25 Years Linear Warranty of Power Output

97% power output for the first year, then power degradation 0.7% per year till 25th year



# D6M\_H3A

Monocrystalline module

## ELECTRICAL DATA : STC

Maximum Rating Power (Pmax) (W)	300	305	310	315
Module Efficiency (%)	18.4	18.7	19.1	19.4
Open Circuit Voltage (Voc) (V)	39.39	39.49	39.75	39.99
Maximum Power Voltage (Vmpp) (V)	32.09	32.35	32.57	32.78
Short Circuit Current (Isc) (A)	9.78	9.86	9.91	9.96
Maximum Power Current (Impp) (A)	9.35	9.43	9.52	9.61

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

## MECHANICAL DATA

Solar Cells	6" Monocrystalline
Cell connection	60 cells (6 x 10)
Module dimension (mm / inch)	1640 x 992 x 35 mm / 64.57" x 39.06" x 1.38"
Weight (kg / lb)	18 kg / 39.7 lbs (approx.)
Glass	Anti-reflective tempered solar glass, 3.2mm(0.13") thickness
Frame	Anodized aluminium frame, original or black
J-Box	IP-67 rated, 3 diodes
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Back Cover	Composite film, white
Packaging configuration	30 pcs per Pallet, 840 pcs per 40' HQ container

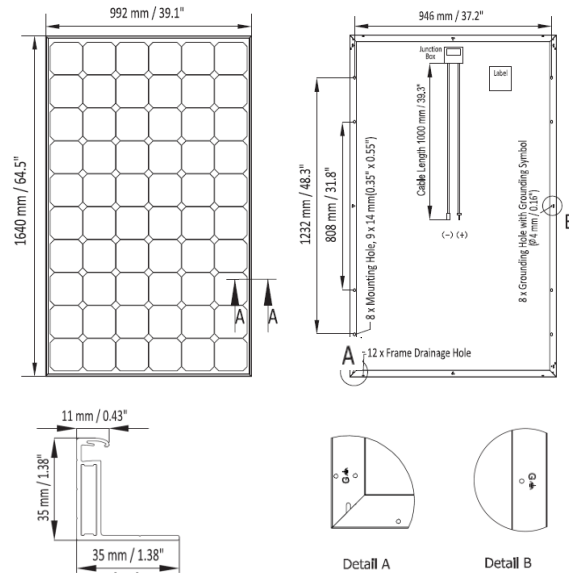
## TEMPERATURE DATA

NOCT	44±2°C
Temp Coefficient of Voc (%/°C)	-0.28
Temp Coefficient of Isc (%/°C)	0.06
Temp Coefficient of Pmax (%/°C)	-0.38

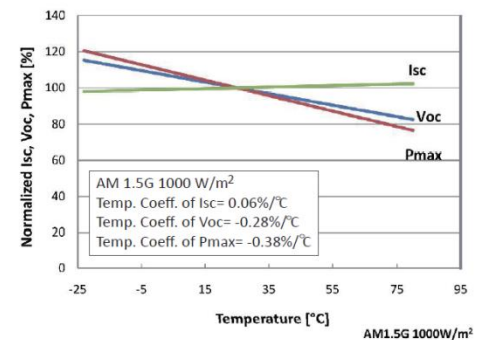
## WORKING CONDITIONS

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

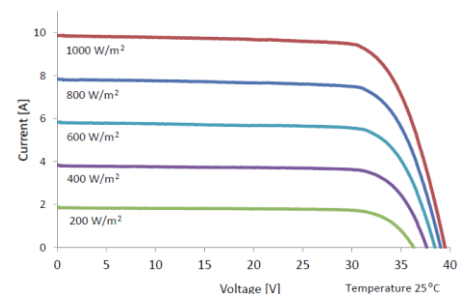
## FRONT VIEW & BACK VIEW



## DEPENDENCE ON TEMPERATURE



## DEPENDENCE ON IRRADIANCE



## CERTIFICATES



## GINTECH ENERGY CORPORATION

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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