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Solar Panel Guide Specification Data Sheet

Greenergy Power GP-325M72 full black 315M72

Also available on the web at
EnergyPal.com/greenergy-power-solar-panels/315m72

300/305/310/315/320/325M72 All-black Mono-crystalline PV Module

Features

-  High conversion efficiency through advanced manufacturing technology
-  Excellent performance under weak light conditions (mornings, evenings and cloudy days)
-  Withstand snow loads up to 5400 Pa and wind loads up to 2400 Pa under extreme temperature
-  12 years product warranty and 25 years performance warranty ensure reliability of modules
-  Easy installation

Certificates

-  Manufactured according to International Management System Standard
Quality Management system: ISO9001
Environmental Management System: ISO14001
Occupational Health and Safety Management System: OHSAS18001
-  Certified and approved by CE, TUV, IEC 61215, IEC 61730, MCS, CEC and PV CYCLE



Electrical Characteristics under STC*

Module Type	300M72	305M72	310M72	315M72	320M72	325M72
Maximum Power-Pmax (Wp)	300	305	310	315	320	325
Voltage at Maximum Power-Vmp (V)	36.4	36.5	36.7	36.9	37.1	37.4
Current at Maximum Power -Imp (A)	8.25	8.36	8.44	8.54	8.63	8.71
Open Circuit Voltage Voc (V)	45.0	45.1	45.2	45.3	45.4	46.3
Short Circuit Current-Isc (A)	8.56	8.67	8.75	8.84	8.93	9.07
Module Efficiency-ηm (%)	15.5	15.8	16.0	16.2	16.5	16.8
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3

Mechanical Characteristics

Cell Type	Mono-crystalline	156×156 mm (6 inches)
Number of Cells	72 (6×12)	
Dimension	1956×992×40 mm (77.01×39.06×1.57 inches)	
Weight	23.0 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	

Temperature Characteristics

NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.44/°C
Temperature Coefficient of Voc (%)	-0.33/°C
Temperature Coefficient of Isc (%)	0.055/°C

Maximum System Ratings

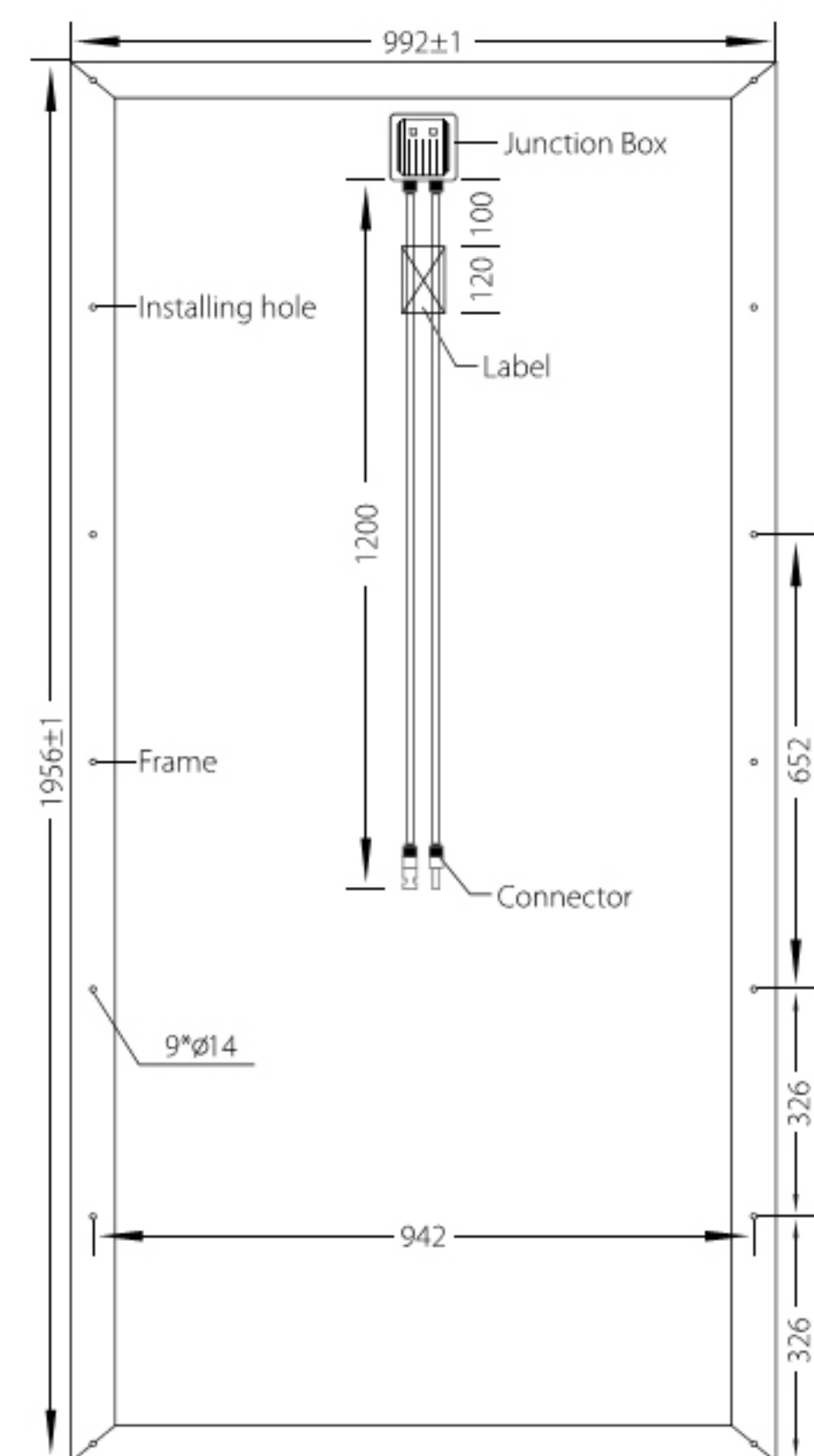
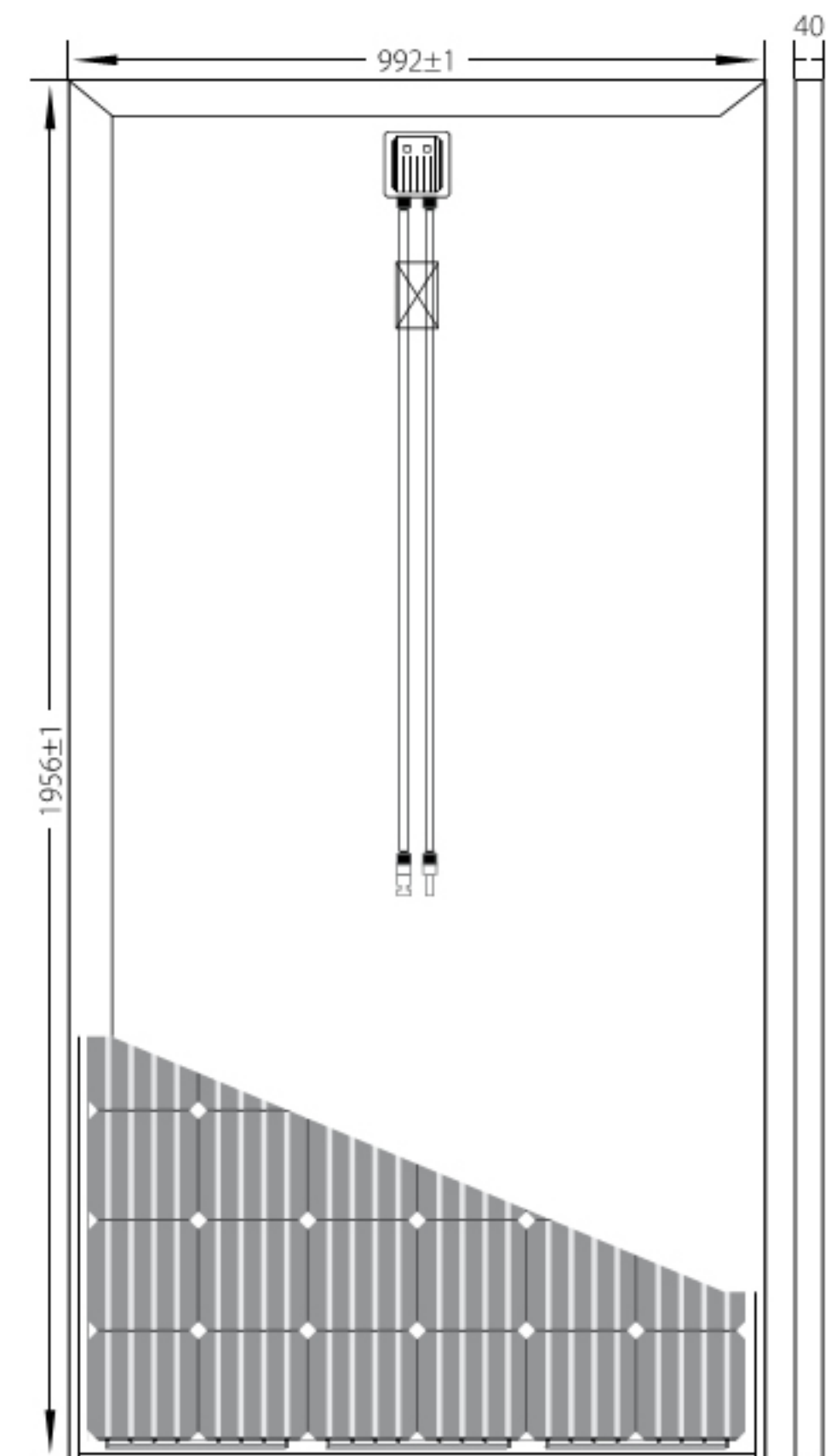
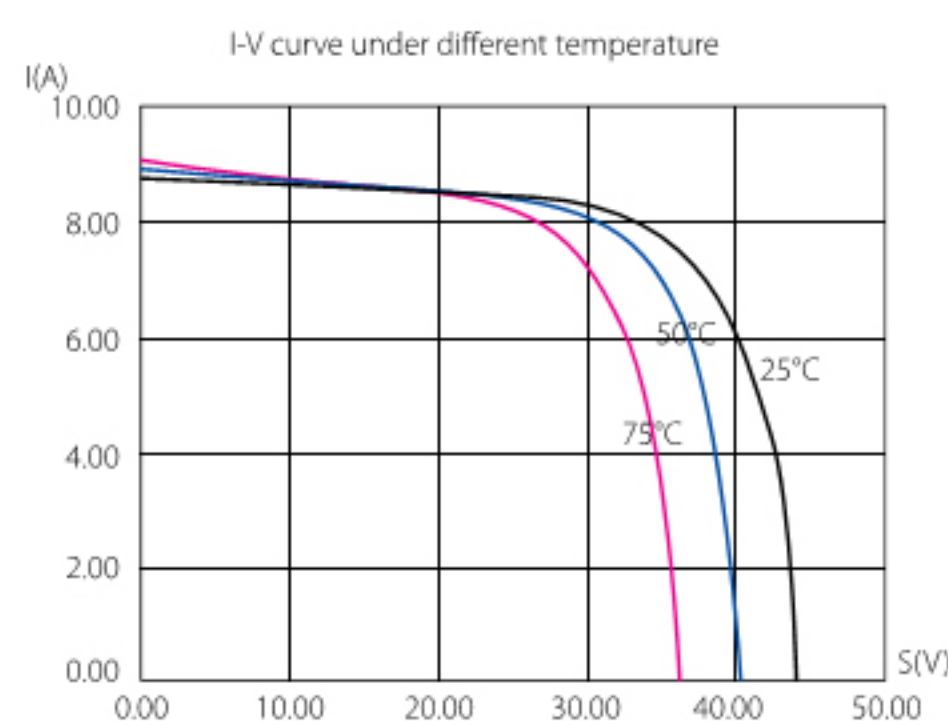
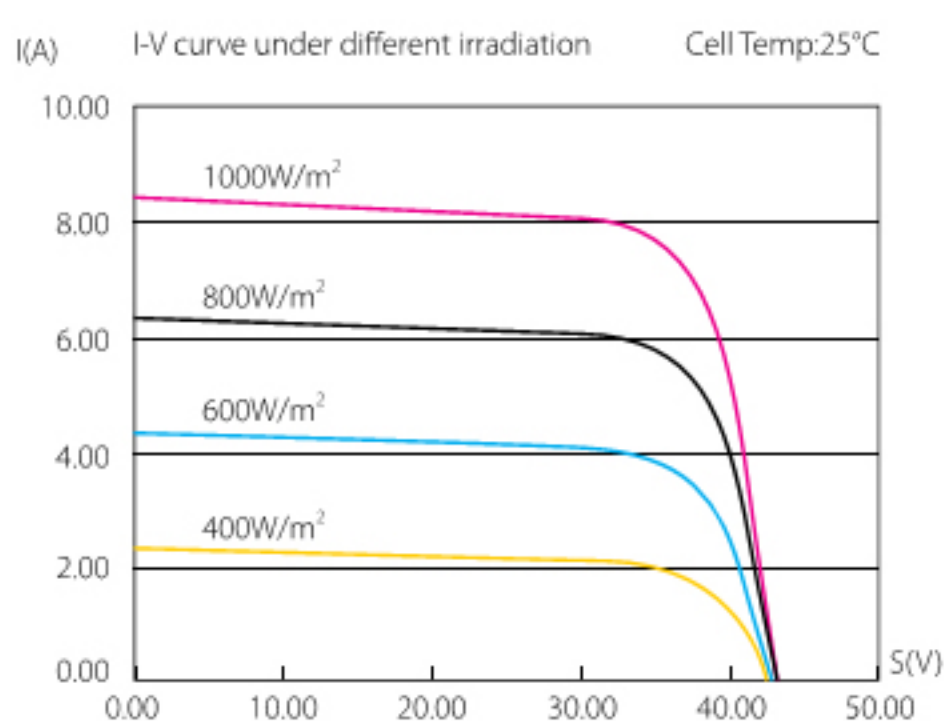
Operating Temperature	-40°C to +80°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	16A

Warranty

12 years product warranty

12 years warranty on 90% power output

25 years warranty on 80% power output



*STC (Standard Testing Conditions): Irradiance 1000 W/m², cell temperature 25 °C, AM=1.5
ambient temperature 20 °C, wind speed 1 m/s

*NOCT (Nominal Operating Cell Temperature): Irradiance 800 W/m²,
The specifications in this datasheet are subjected to change without prior notice