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Solar Panel Guide Specification Data Sheet

**Greenenergy Power
GP-260-290M60
290M60**

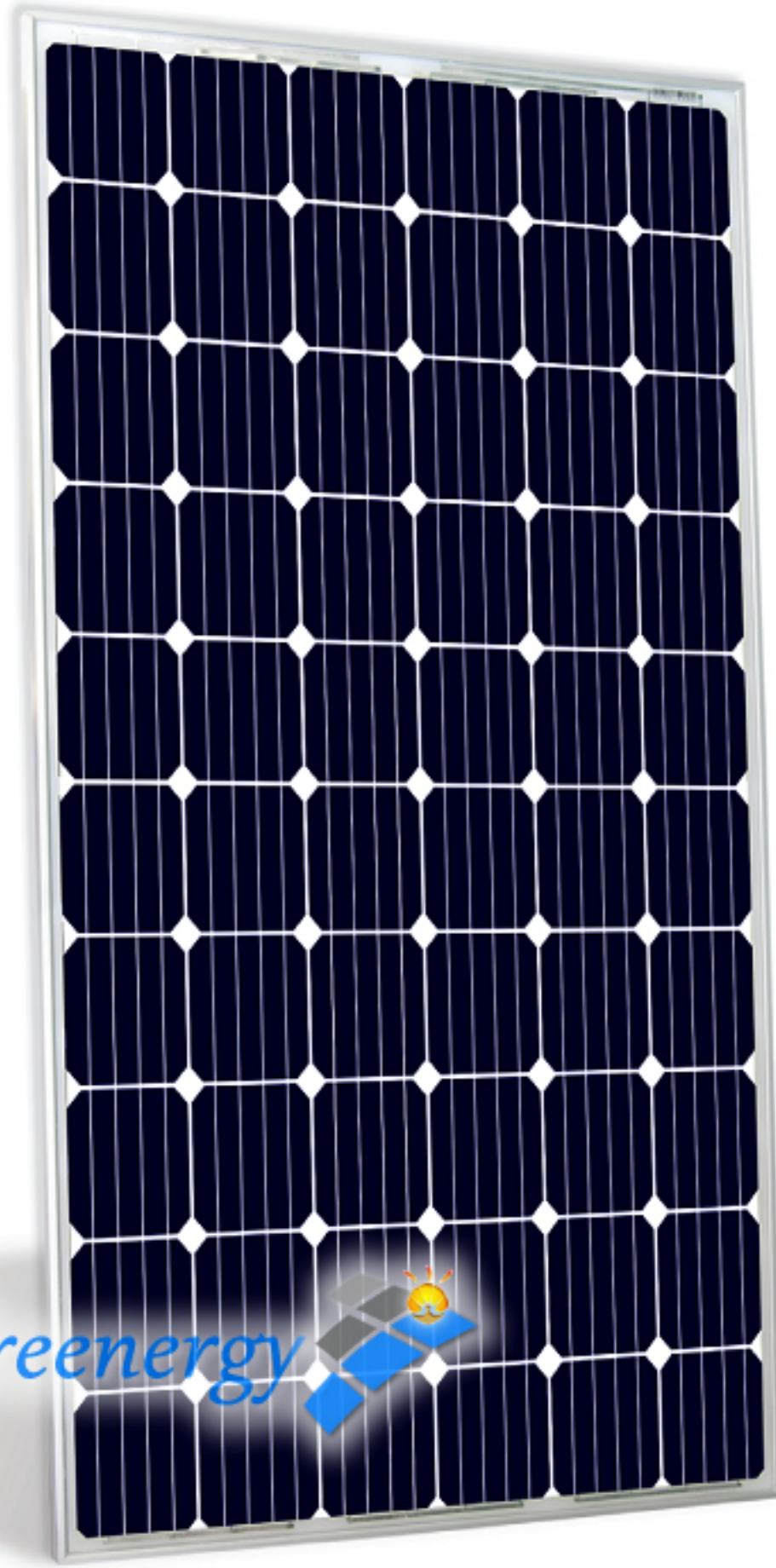
Also available on the web at
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MONO-CRYSTALLINE MODULE

260/265/270/275/280/285/290M60



GREENERGY POWER
SOLAR TECHNOLOGY



High conversion efficiency



Extremely environmental testing



Salt mist corrosion resistant



IP67 Junction box



Strong compressive strength



Fire test approved



PID Resistant



3% positive tolerance



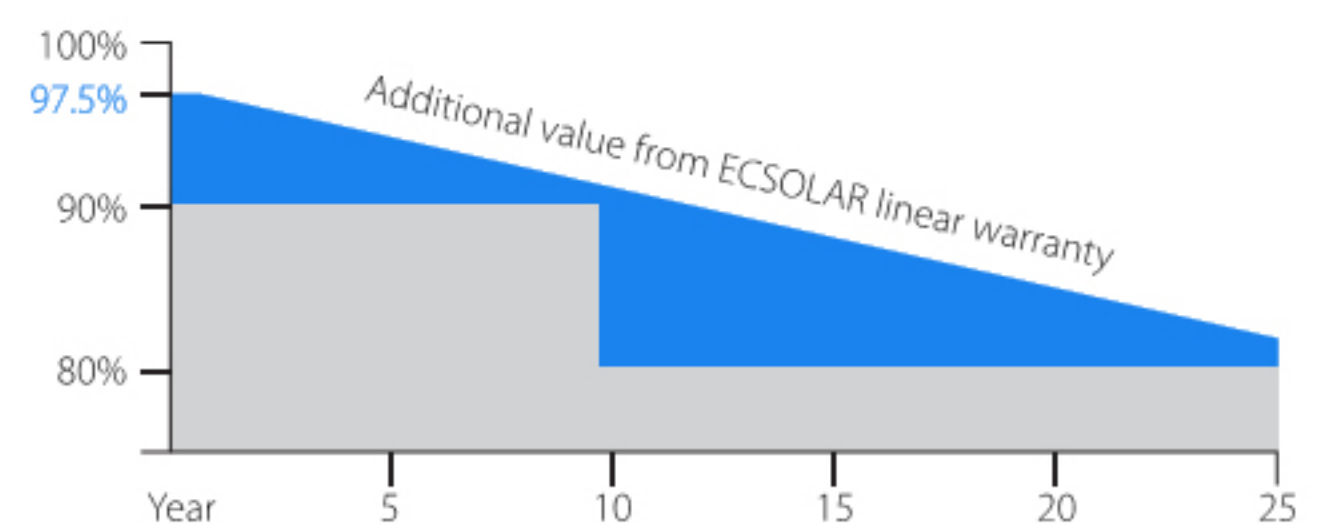
Series of internal harsh tests



Authorised photovoltaic certificates



Linear performance warranty



Electrical Characteristics under STC*

Module Type	260M60	265M60	270M60	275M60	280M60	285M60	290M60
Maximum Power-Pmax (Wp)	260	265	270	275	280	285	290
Voltage at Maximum Power-Vmp (V)	30.7	31.1	31.5	31.9	32.3	32.7	33.1
Current at Maximum Power-Imp (A)	8.47	8.52	8.57	8.62	8.67	8.72	8.76
Open Circuit Voltage-Voc (V)	37.7	38.1	38.5	38.9	39.3	39.8	40.2
Short Circuit Current-Isc (A)	8.80	9.27	9.35	9.43	9.50	9.55	9.62
Module Efficiency-ηm (%)	16.0	16.3	16.6	16.9	17.1	17.5	17.8
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3

Mechanical Characteristics

Cell Type	Mono-crystalline	156x156 mm (6 inches)
Number of Cells	60 (6x10)	
Dimension	1640x992x35 mm (64.57x39.06x1.38 inches)	
Weight	20.0 kg	
Front Glass	Low Iron Tempered Glass	
Encapsulant	EVA	
Frame	Anodized Aluminum Alloy	

Temperature Characteristics

NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.40/°C
Temperature Coefficient of Voc (%)	-0.31/°C
Temperature Coefficient of Isc (%)	0.04/°C

Maximum System Ratings

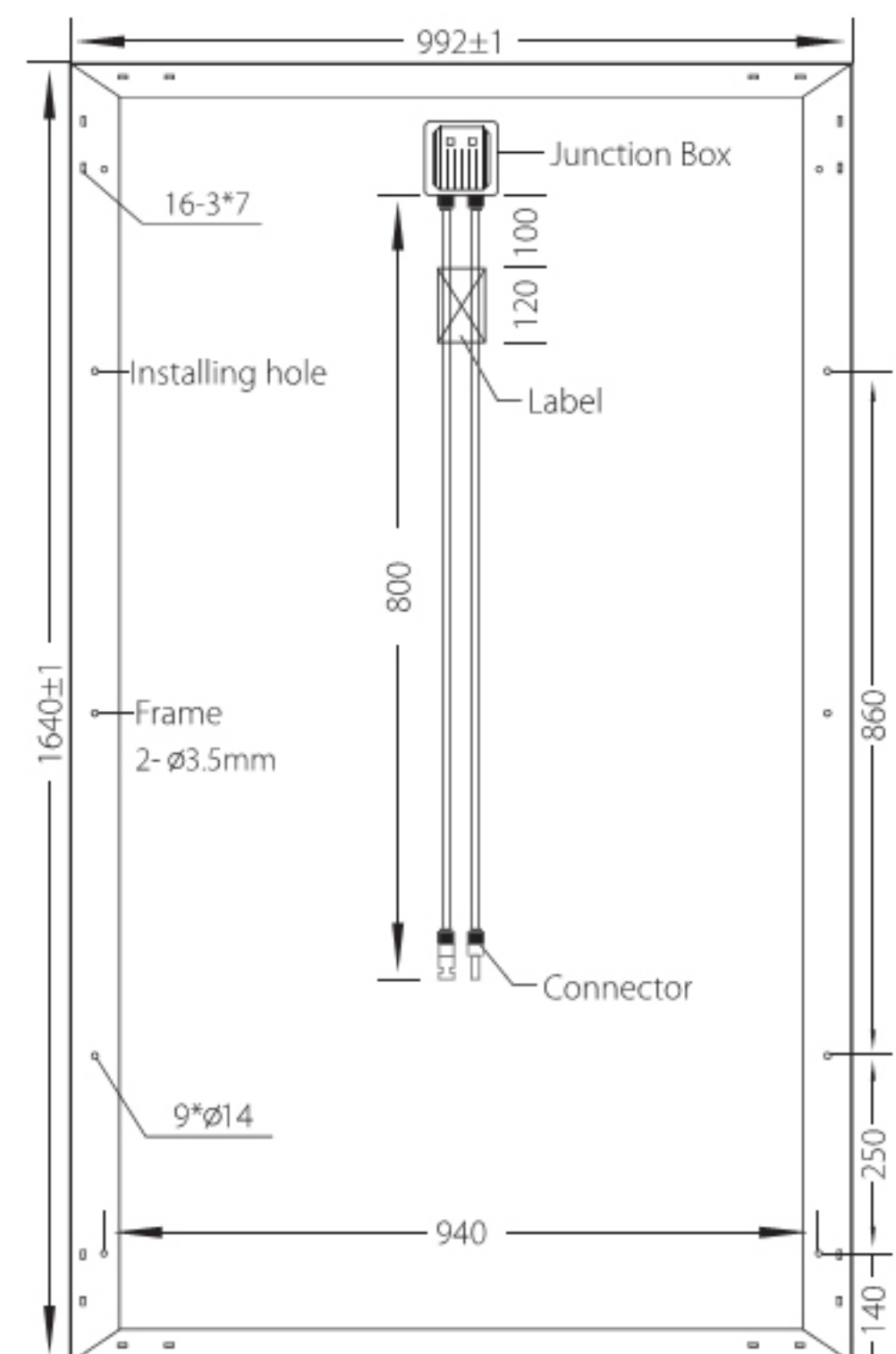
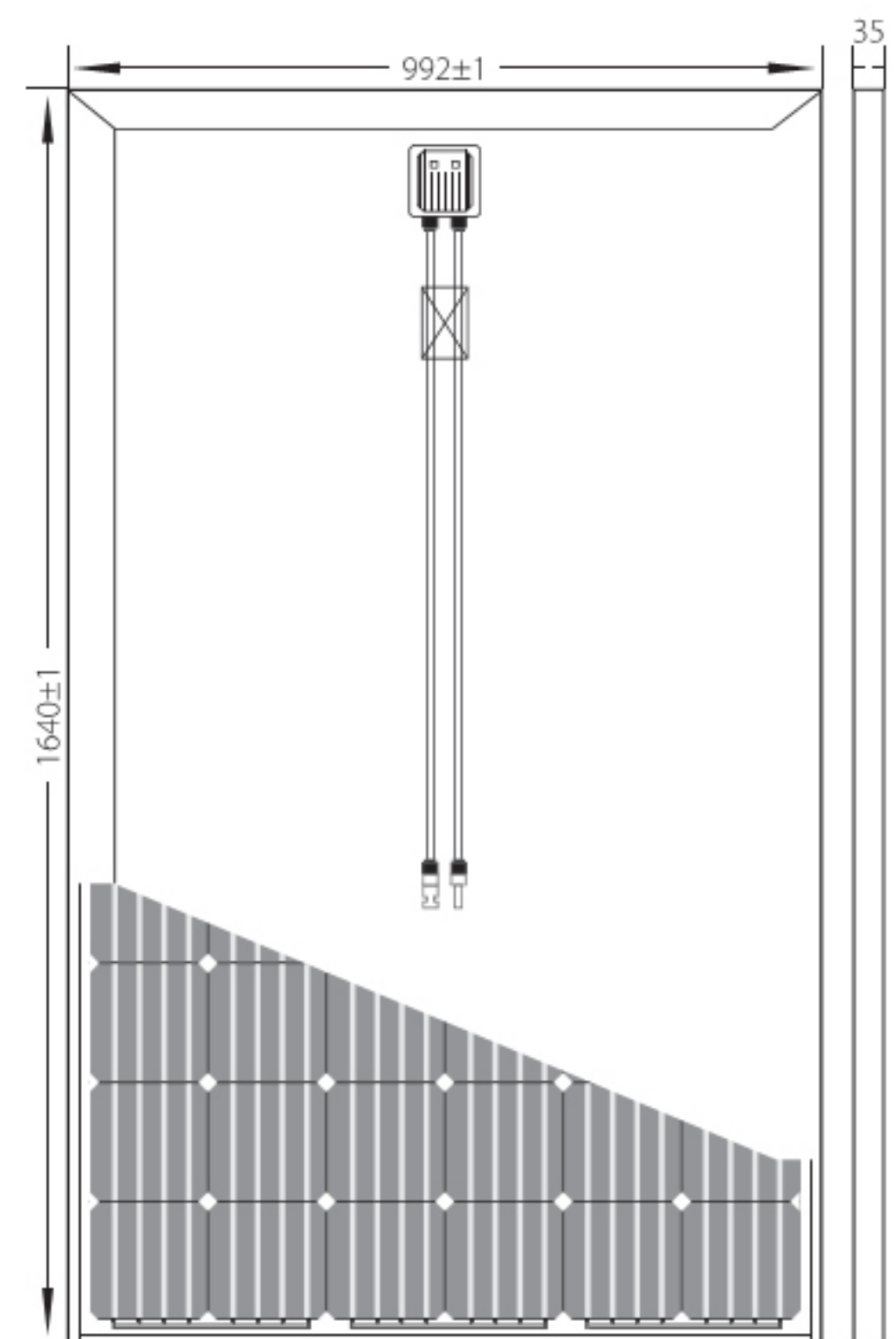
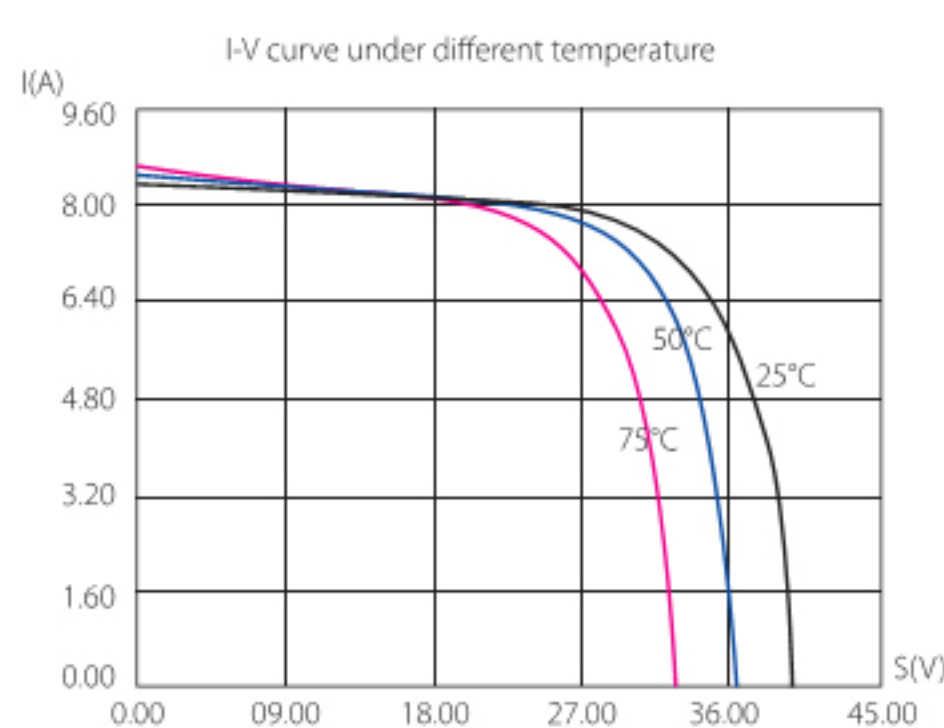
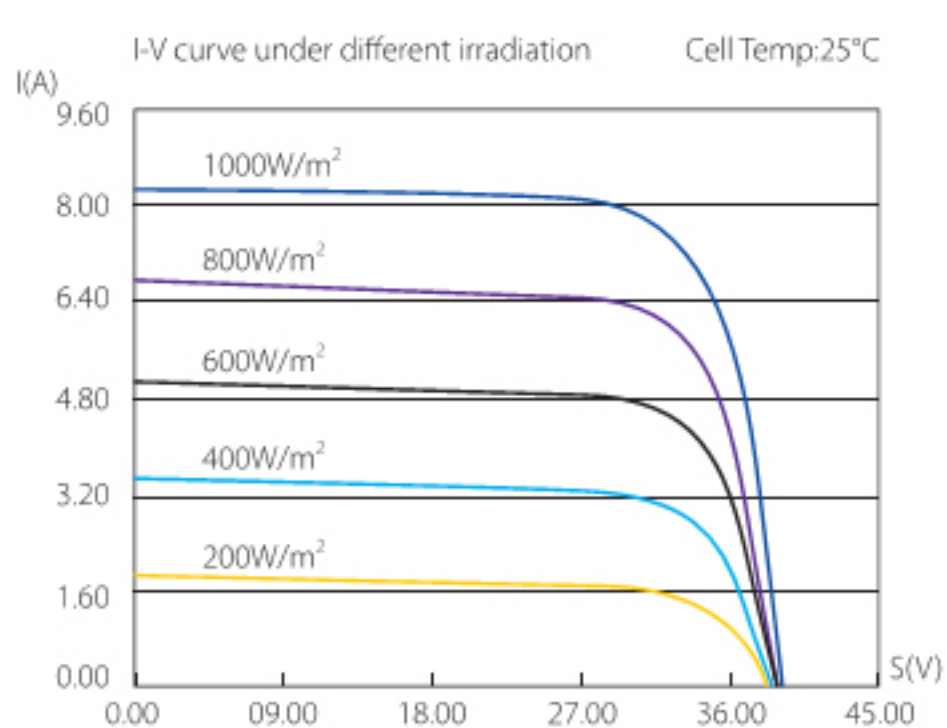
Operating Temperature	-40°C to +80°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	16A

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