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EnergyPal

Solar Panel Guide Specification Data Sheet

**Greenergy Power
GP-250-280P60
275P60**

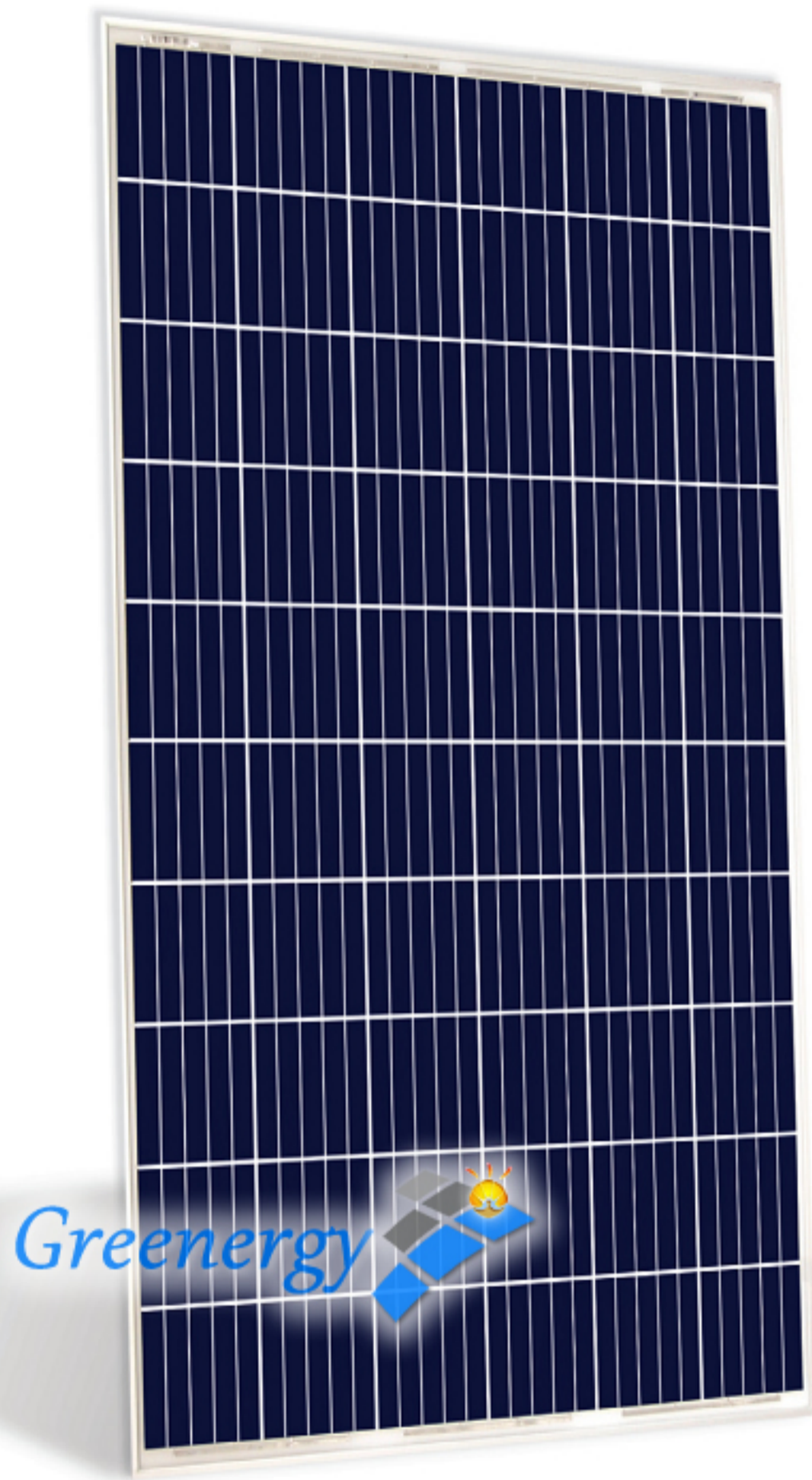
Also available on the web at
EnergyPal.com/greenergy-power-solar-panels/275p60

POLY-CRYSTALLINE MODULE

250/255/260/265/270/275/280P60



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



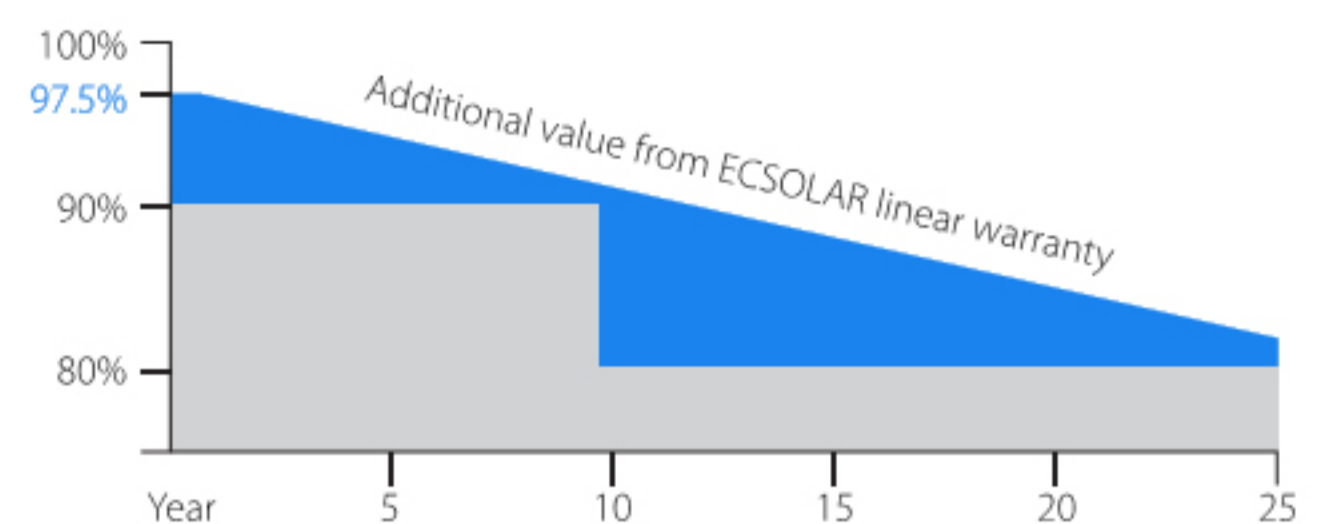
Series of internal harsh tests



Authorised photovoltaic certificates



Linear performance warranty



Electrical Characteristics under STC*

Module Type	250P60	255P60	260P60	265P60	270P60	275P60	280P60
Maximum Power-Pmax (Wp)	250	255	260	265	270	275	280
Voltage at Maximum Power-Vmp (V)	30.1	30.4	30.8	31.0	31.1	31.5	31.8
Current at Maximum Power-Imp (A)	8.32	8.39	8.44	8.55	8.68	8.73	8.81
Open Circuit Voltage-Voc (V)	37.50	37.60	37.80	38.05	38.17	38.3	38.52
Short Circuit Current-Isc (A)	8.73	8.79	8.85	8.96	9.09	8.98	9.1
Module Efficiency-ηm (%)	15.4	15.7	16.0	16.2	16.5	16.9	17.2
Power Tolerance (%)	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3	0/+3

Mechanical Characteristics

Cell Type	Poly-crystalline	156×156 mm (6 inches)
Number of Cells	60 (6×10)	
Dimension	1640×992×35 mm (64.57×39.06×1.38 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

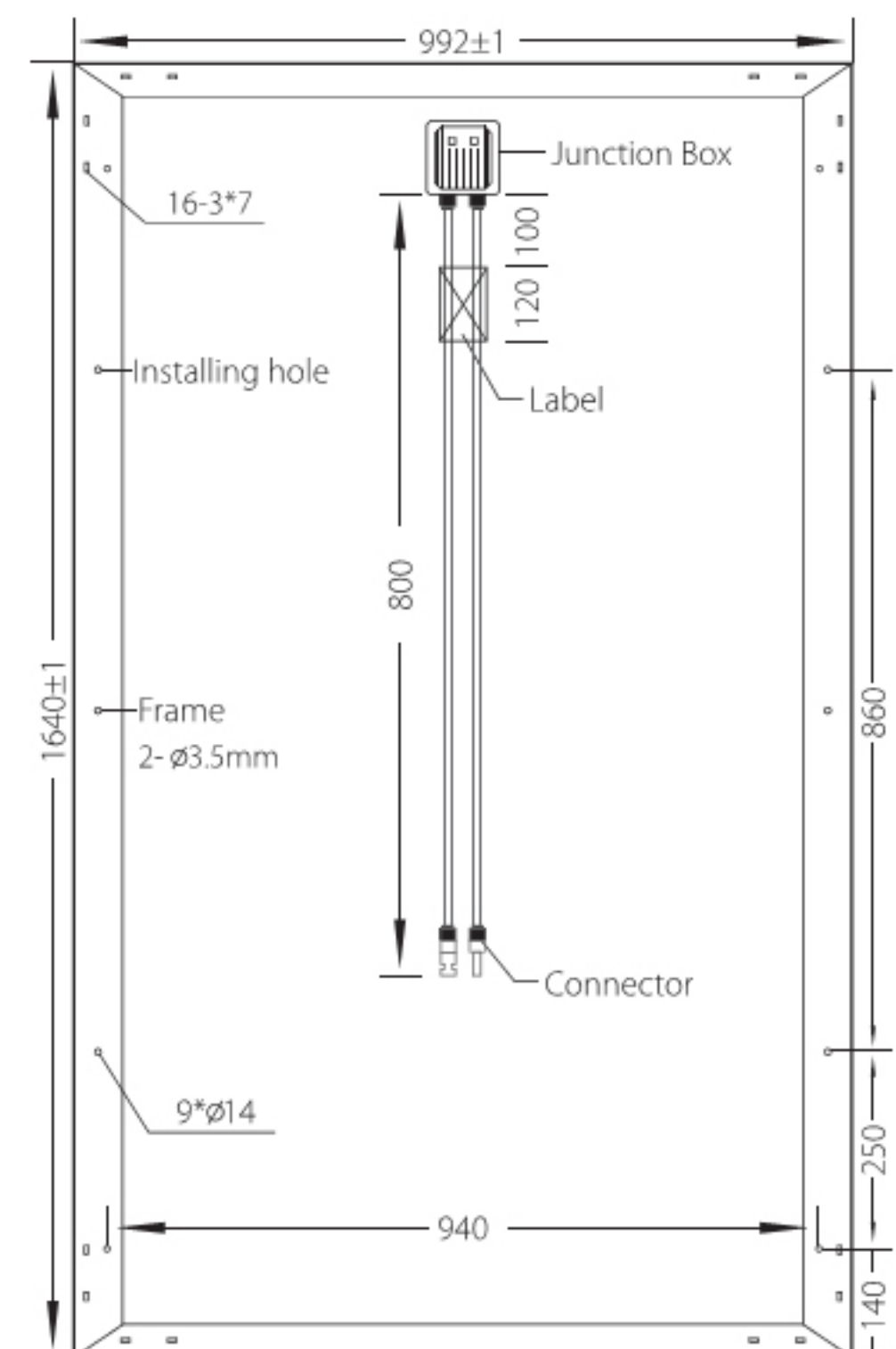
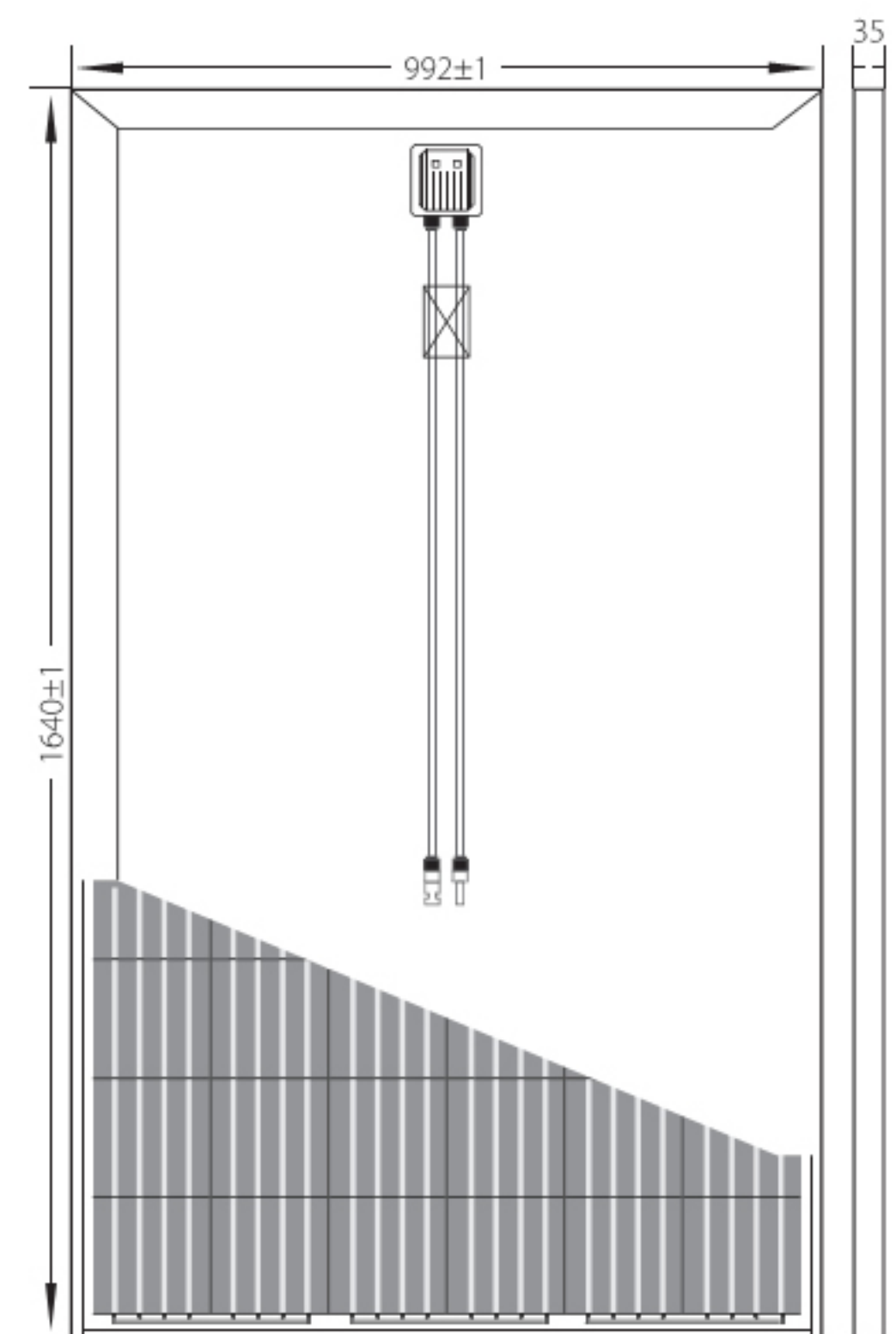
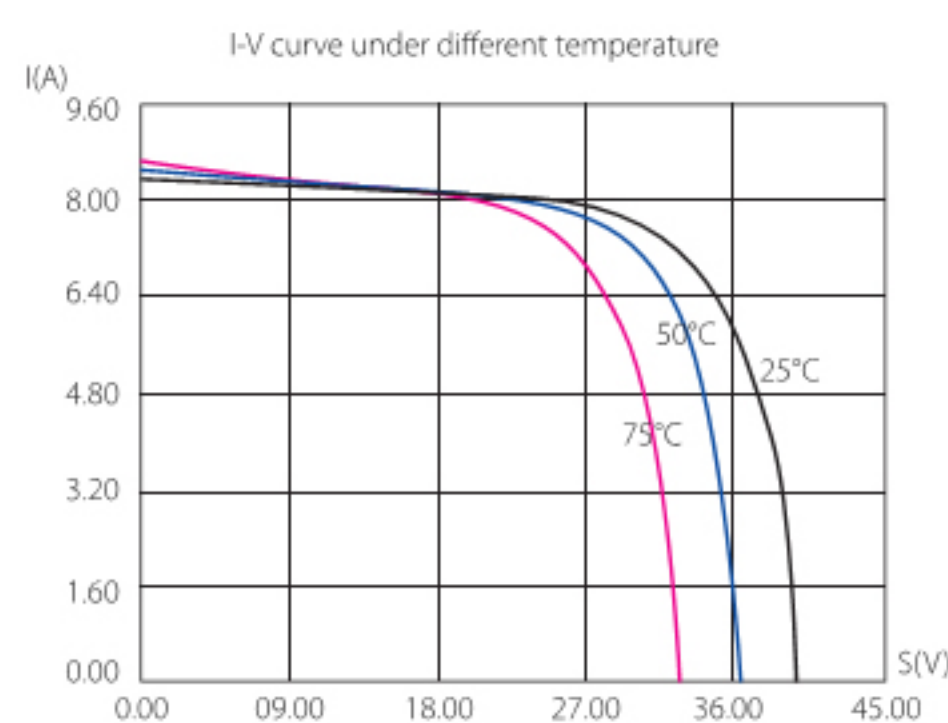
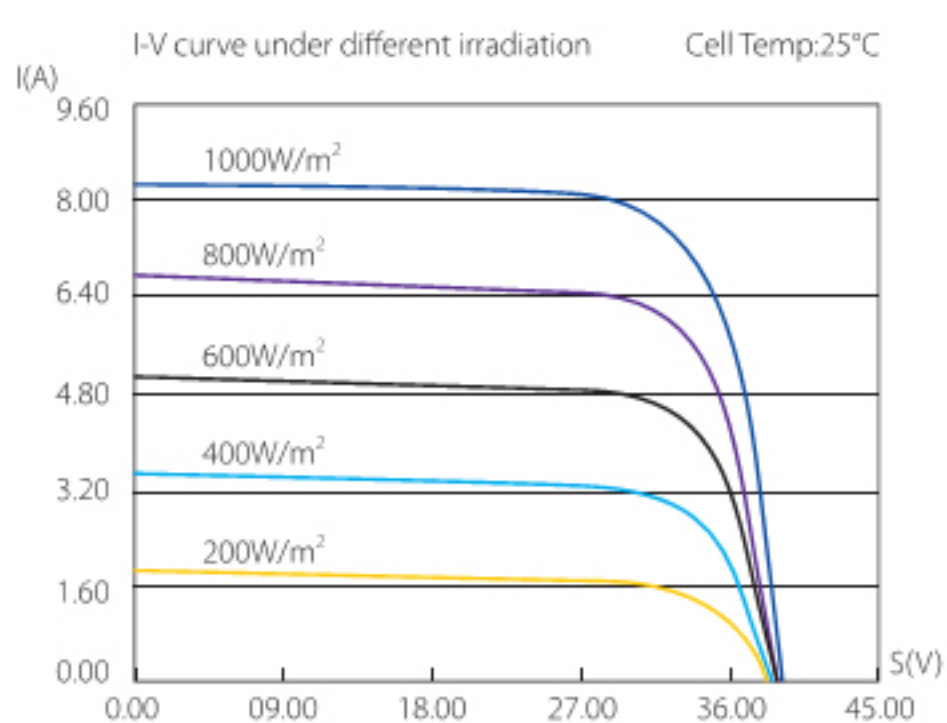
Operating Temperature	-40°C to +80°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	16A

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