



325~345 Watt



*BLACK FRAME/BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST

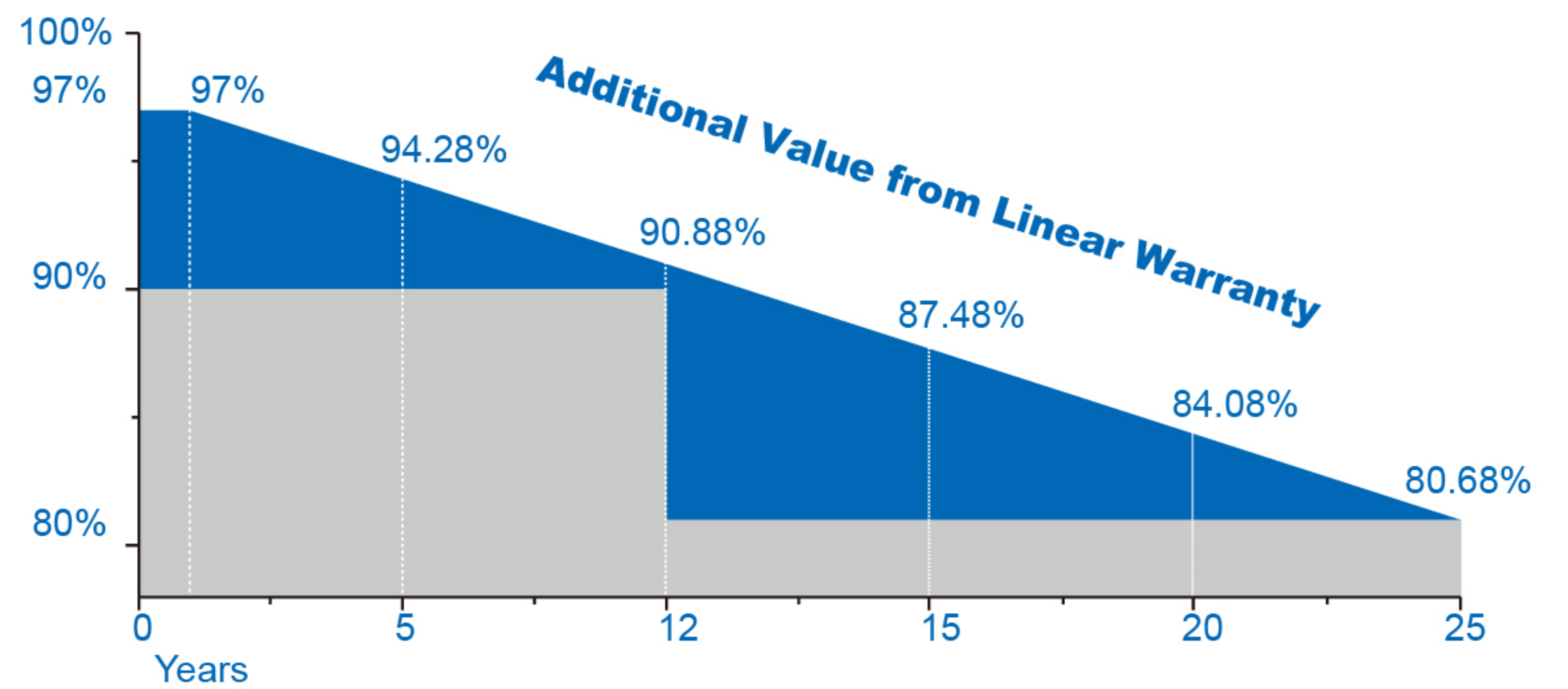
MANAGEMENT SYSTEM

- ISO 9001: Quality management system
- ISO 14001: Standard for environmental management system
- OHSAS 18001: International standard for occupational health and safety assessment system

PRODUCT CERTIFICATES



WARRANTY



10 Years
Material & Craft
Quality
assurance

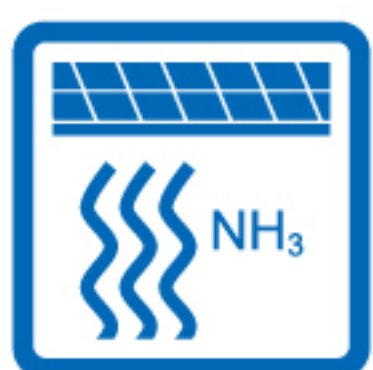
12 Years
90% Output
Power
guarantee

25 Years
80% Output
Power
guarantee

Safety



Safety for salt mist corrosion (IEC61701, tested in TUV)



Safety for ammonia corrosion (IEC62716, tested in TUV)



Safety for fire risk (Class A, tested in TUV)

Key



High stability of the aluminium frame



High quality junction box and connector systems



100% inspection, to guarantee the reliability of solar systems

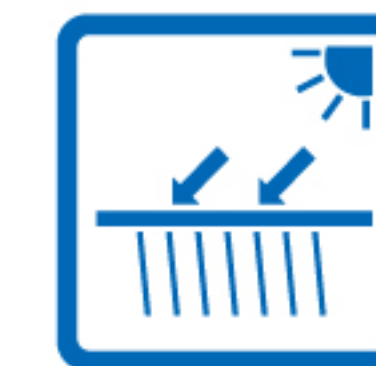
Technology



Using high efficiency mono solar cells



Excellent performance in low-light environments



High transmissivity, low-iron tempered glass.



Electrical Characteristics under STC*

Module Type	FSM325M60HL	FSM330M60HL	FSM335M60HL	FSM340M60HL	FSM345M60HL
Maximum Power-Pmax (Wp)	325	330	335	340	345
Voltage at Maximum Power-Vmp (V)	33.6	33.8	34.0	34.2	34.4
Current at Maximum Power-Imp (A)	9.68	9.77	9.87	9.96	10.04
Open Circuit Voltage-Voc (V)	41.1	41.3	41.5	41.7	41.9
Short Circuit Voltage-Isc (A)	10.20	10.31	10.36	10.55	10.64
Module Efficiency- η_m (%)	19.3	19.6	19.9	20.1	20.4
Power Tolerance(%)	0/+3	0/+3	0/+3	0/+3	0/+3

Mechanical Characteristics

Cell Type	Mono-crystalline 158.75×79.375mm
Number of Cells	120 (60×2)
Dimension	1684×1002×35mm
Weight	19.0kg
Front Glass	Low Iron Tempered Glass
Encapsulant	EVA
Frame	Anodized Aluminum Alloy

Temperature Characteristics

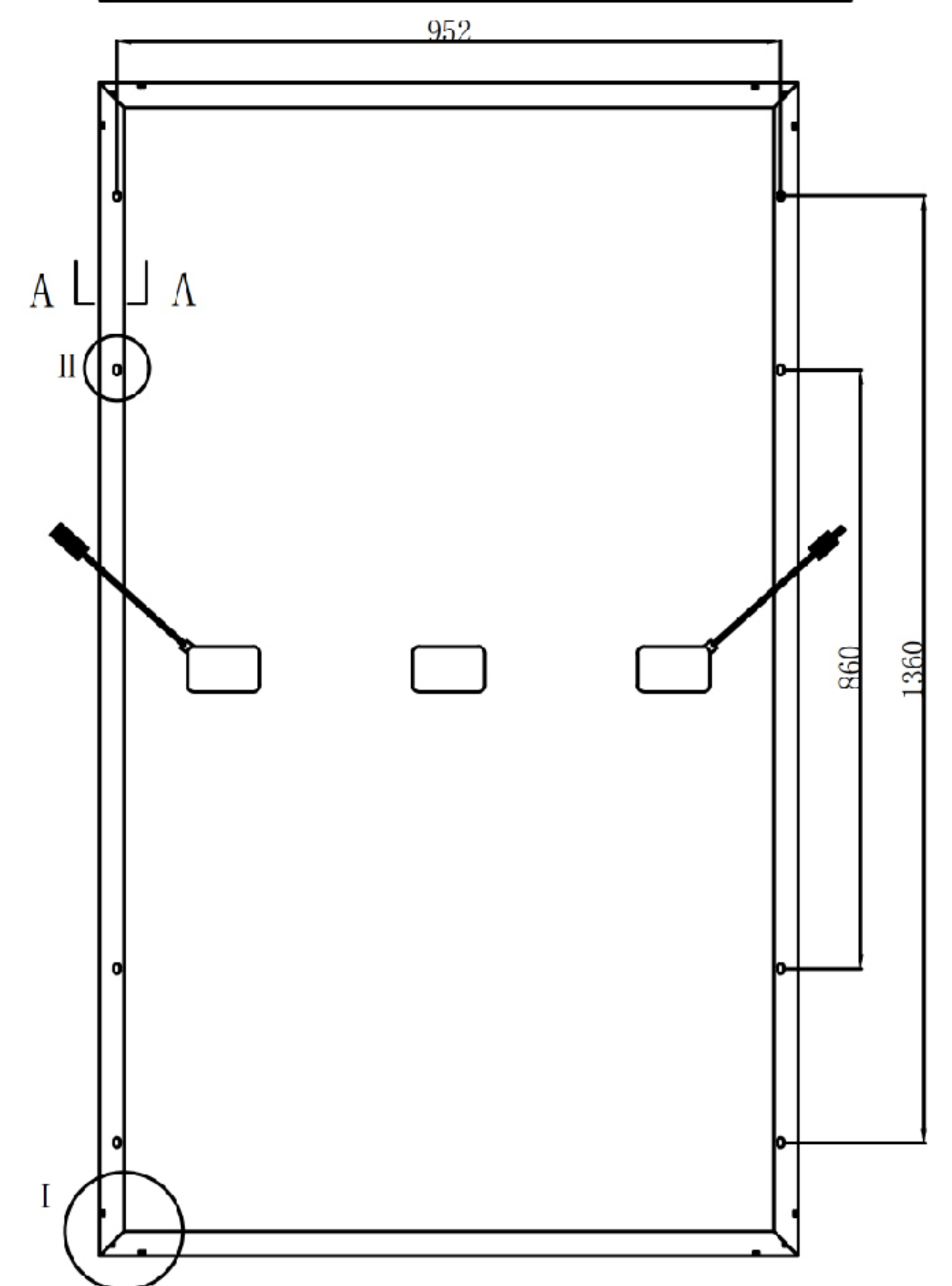
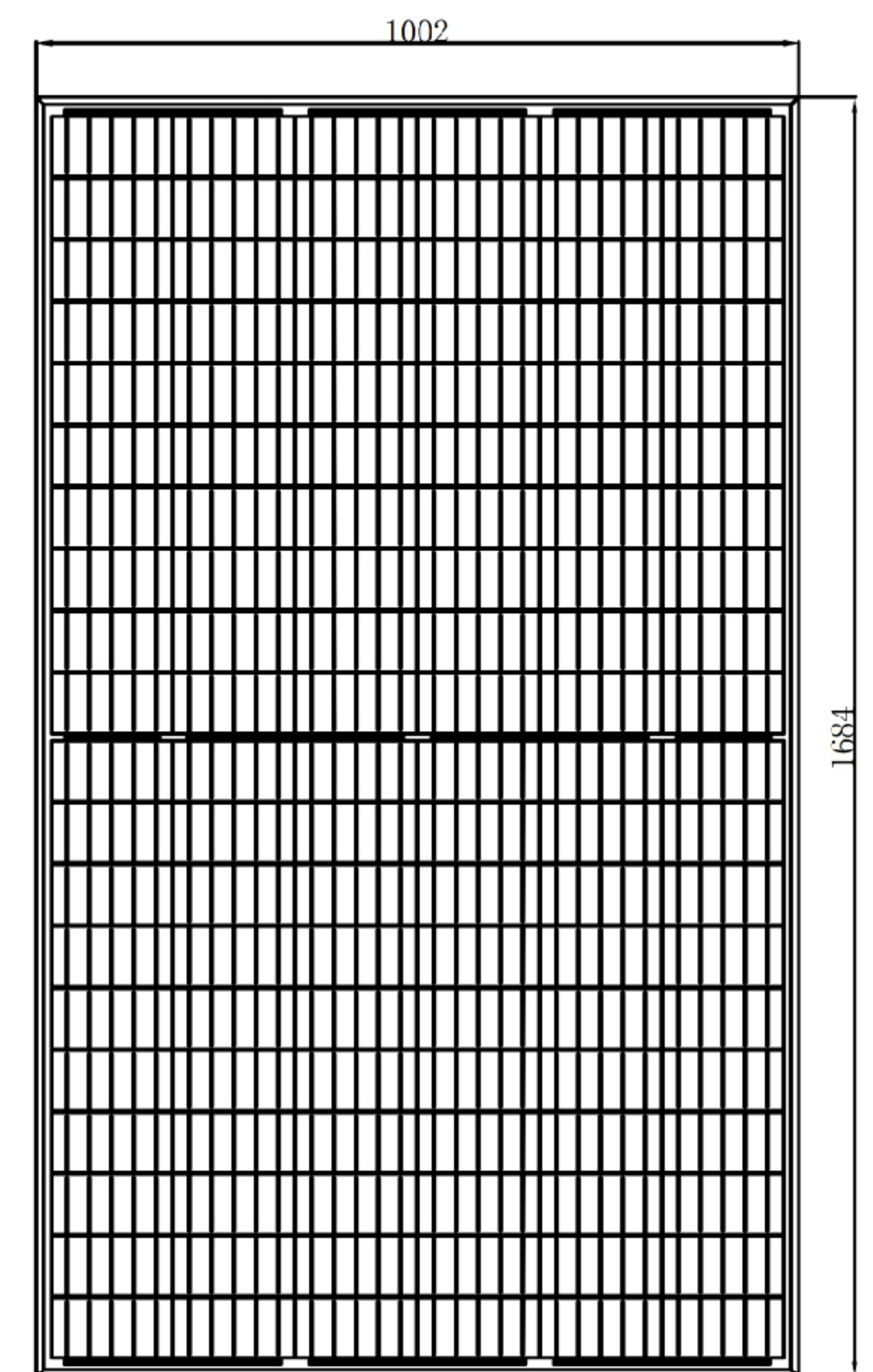
NOCT*	45±2°C
Temperature Coefficient of Pmax (%)	-0.360/°C
Temperature Coefficient of Voc (%)	-0.289/°C
Temperature Coefficient of Isc (%)	0.048/°C

Maximum System Ratings

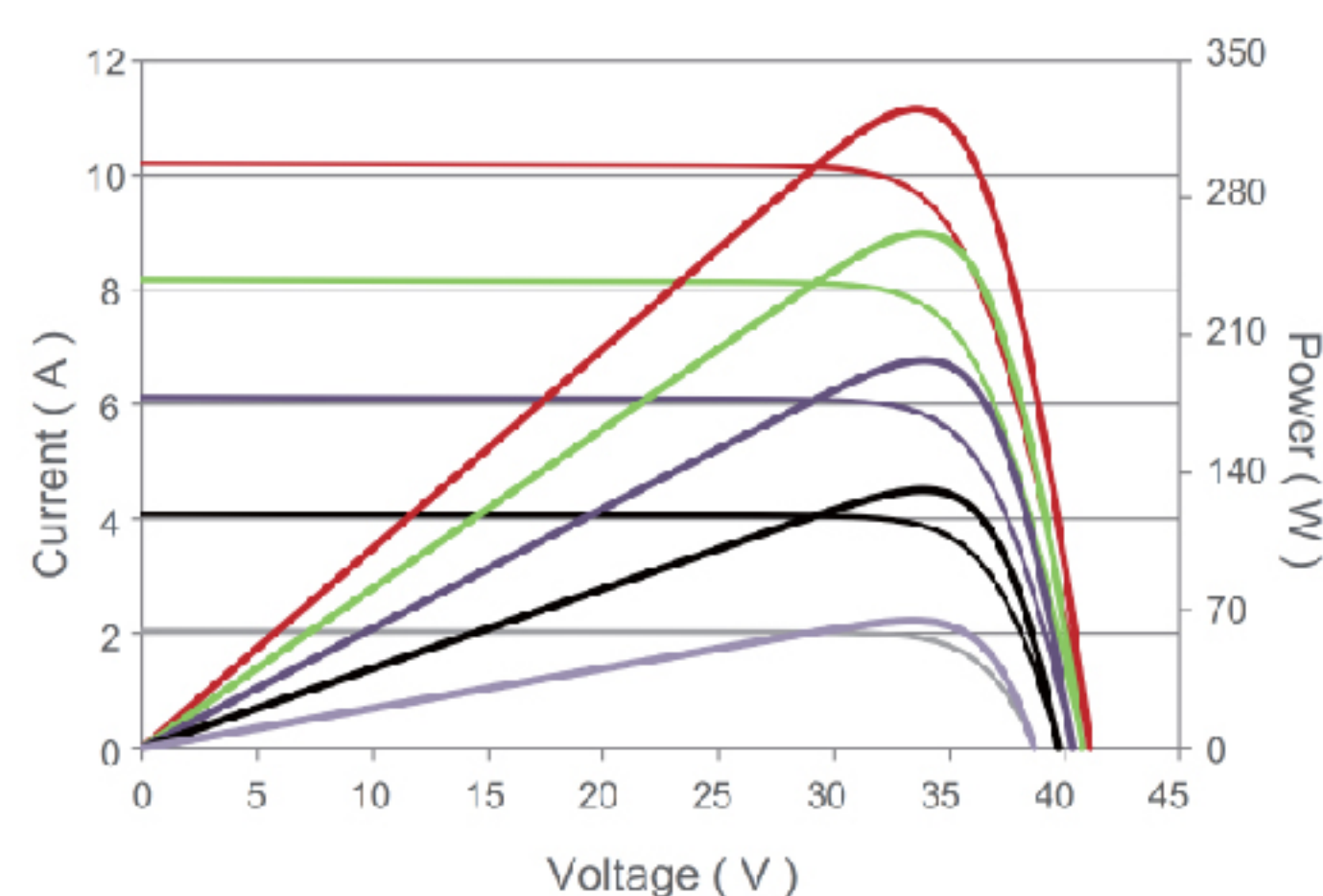
Operating Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC
Maximum Series Fuse Rating	20A

Warranty

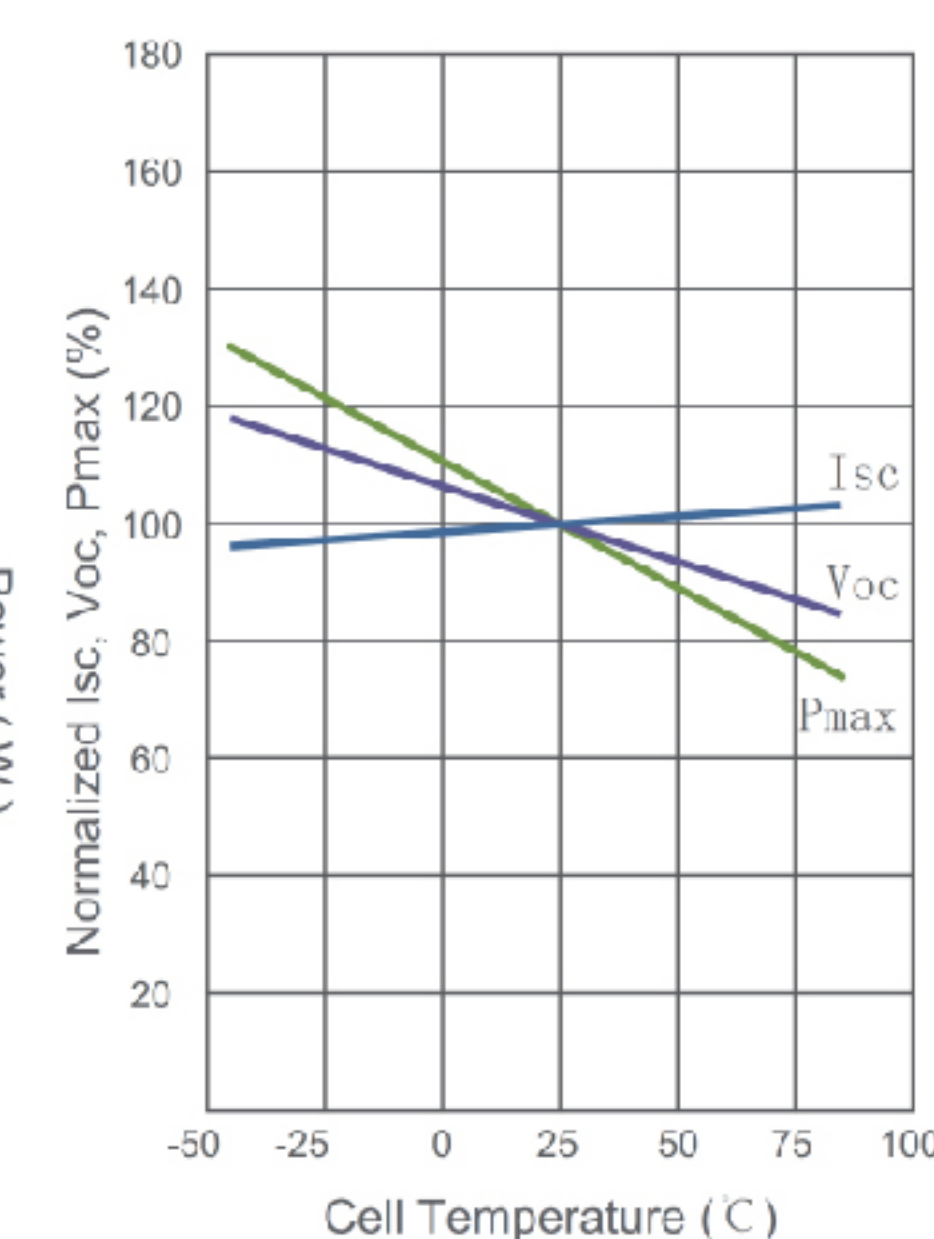
- 10 years product warranty
- 12 years warranty on 90% power output
- 25 years warranty on 80% power output



Current-Voltage & Power-Voltage Curves (325W)



Temperature Dependence of Isc, Voc, Pmax



*STC (Standard Testing Conditions): Irradiance 1000W/m², cell temperature 25°C, AM=1.5 Power measurement tolerance:0~+3% Specifications are subject to change without further notification FSM-EN-2017V1.0 © Copyright 2017 Finergy