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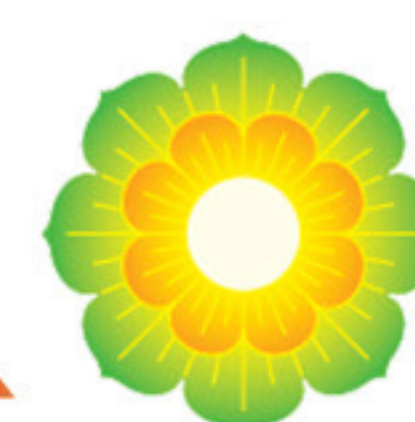
Solar Panel Guide

Specification Data Sheet

Learn more at energypal.com/best-solar-panels-for-homes

KF245~280P-20

Standard 60Cells Polycrystalline PV Module

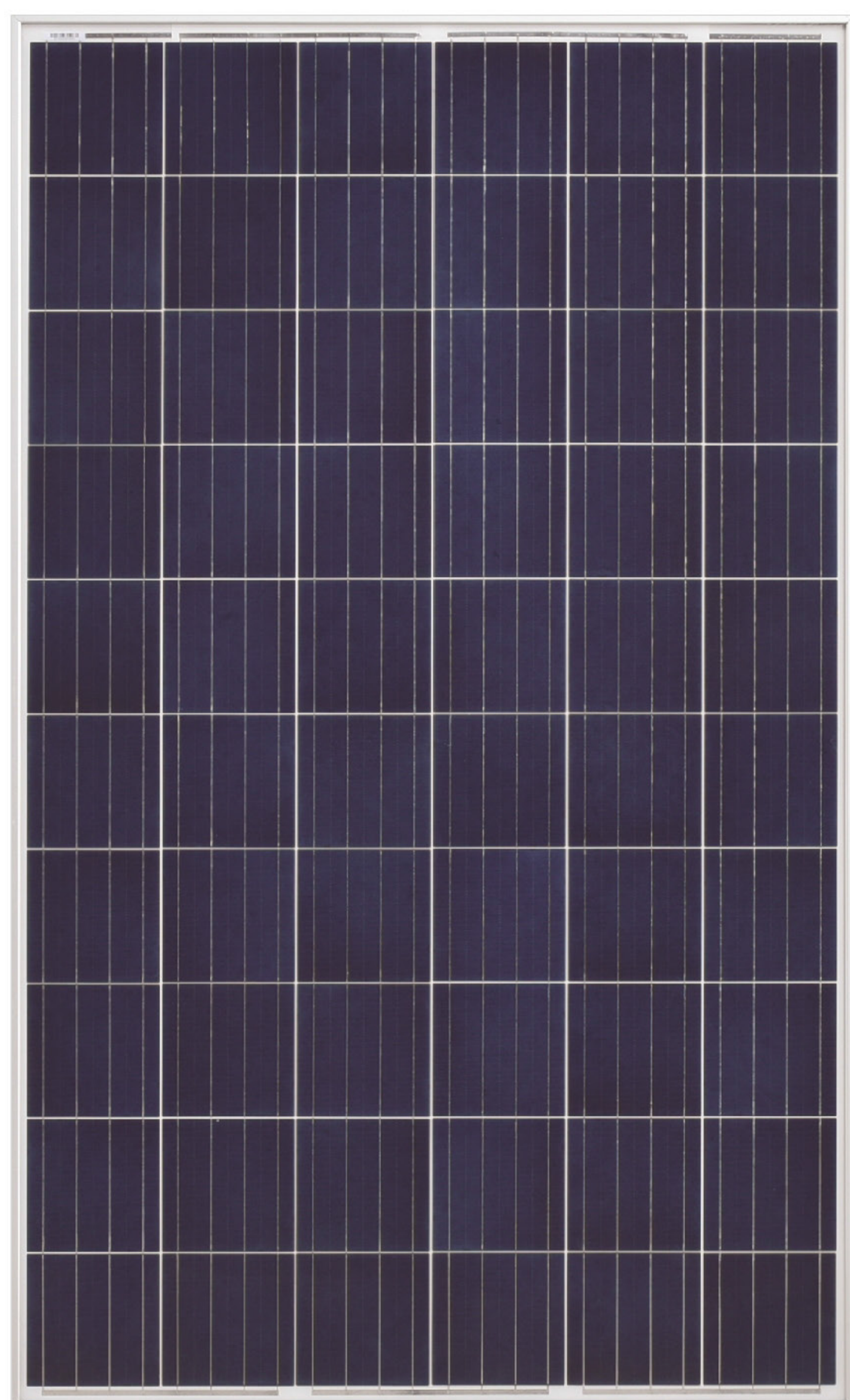


KFSOLAR
wisdom enlighten future

245~280 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

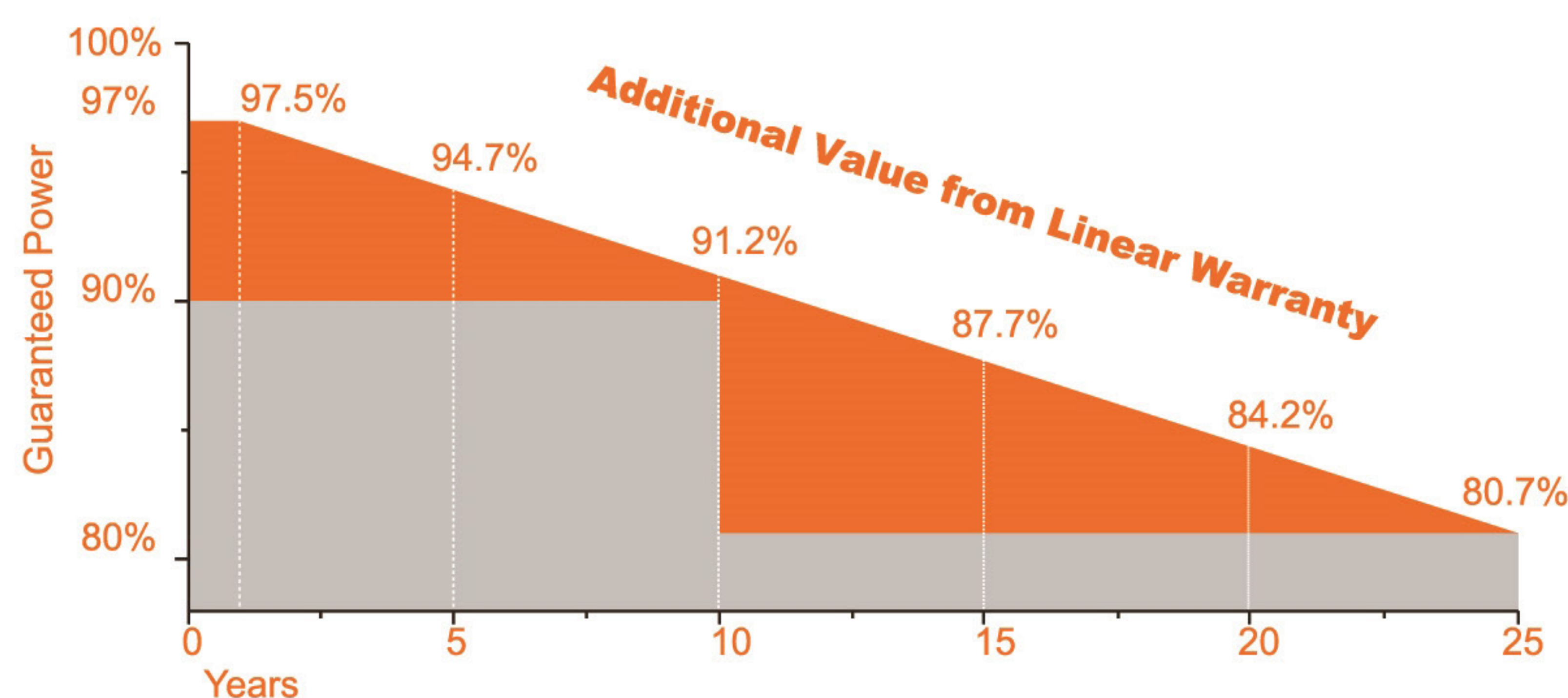


OHSAS 18001: International standard for occupational health and safety assessment system

PRODUCT CERTIFICATES



WARRANTY



10 Years

Material & Craft
Quality
assurance

10 Years

90% Output
Power
guarantee

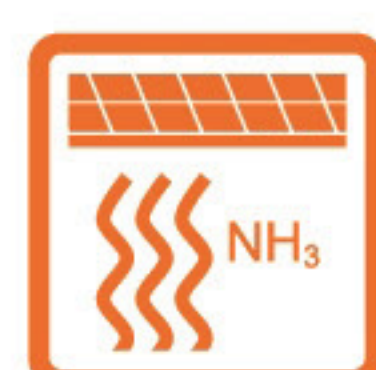
25 Years

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 poly
solar cells



Excellent performance in
low-light environments



High transmissivity, low-iron
tempered glass.

Electrical Characteristics (STC)

Module Type	KF245P-20	KF250P-20	KF255P-20	KF260P-20
Maximum Power- Pmax(W)	245	250	255	260
Open Circuit Voltage - Voc(V)	37.1	37.2	37.4	37.7
Short- Circuit Current - Isc(A)	8.70	8.82	8.94	9.09
Voltage at Pmax -Vmp(V)	30.4	30.6	30.8	30.9
Current at Pmax - Imp(A)	8.06	8.17	8.28	8.41
Module Efficiency -ηm (%)	15.06	15.37	15.67	15.98

Module Type	KF265P-20	KF270P-20	KF275P-20	KF280P-20
Maximum Power- Pmax(W)	265	270	275	280
Open Circuit Voltage - Voc(V)	37.9	38.1	38.3	38.5
Short- Circuit Current - Isc(A)	9.17	9.32	9.46	9.54
Voltage at Pmax -Vmp(V)	31.2	31.3	31.4	31.7
Current at Pmax - Imp(A)	8.49	8.63	8.76	8.83
Module Efficiency -ηm (%)	16.29	16.60	16.90	17.21

STC: Irradiance 1000W/m², Cell Temperature 25℃, Air Mass 1.5

Power Tolerance(W)	(0,+4.99)
Maximum System Voltage(V)	1000
Maximum Series Fuse Rating (A)	20

Temperature Characteristics

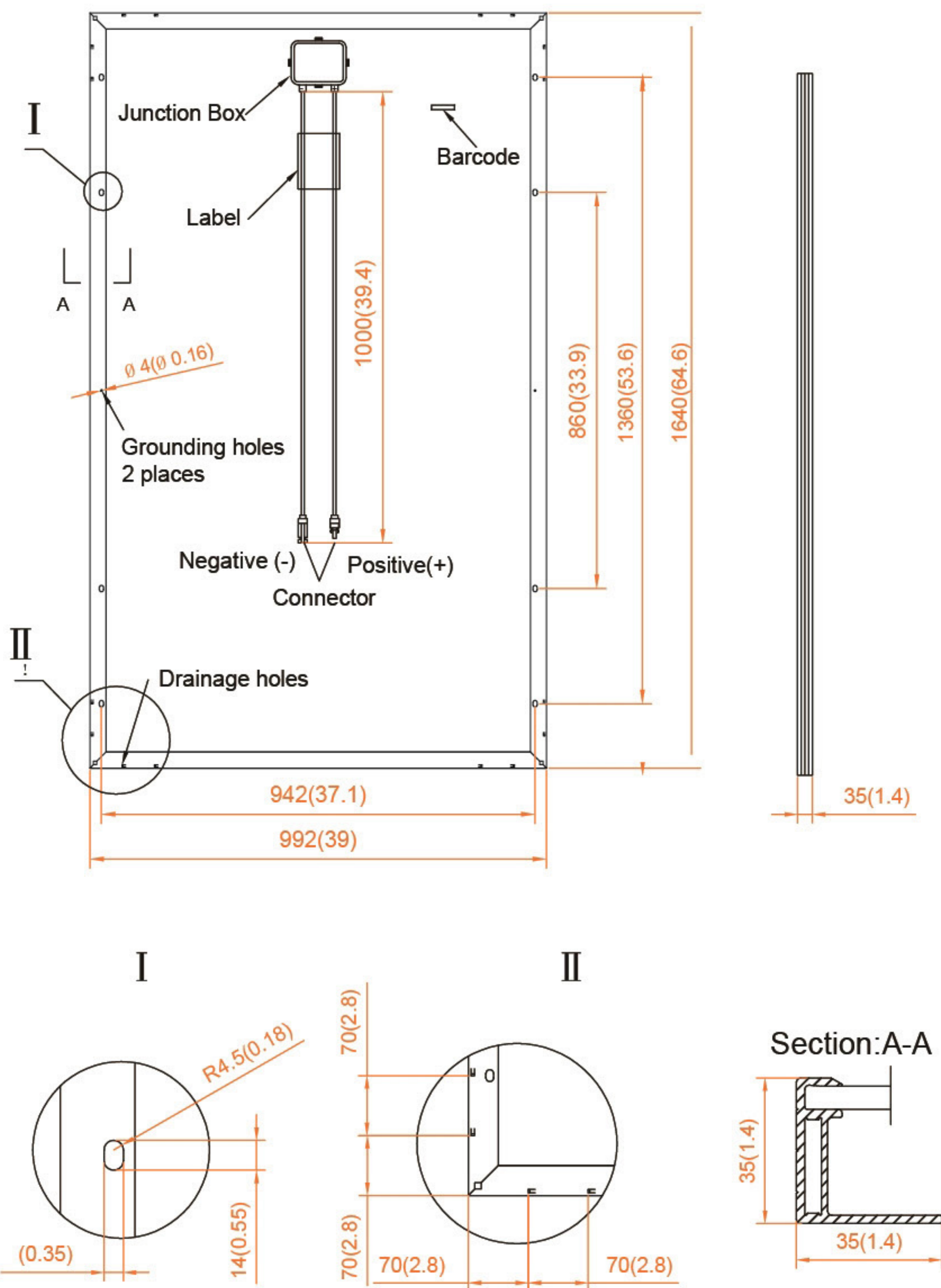
Pmax Temperature Coefficient	-0.40%/℃
Voc Temperature Coefficient	-0.32%/℃
Isc Temperature Coefficient	+0.05%/℃
Operating Temperature	-40~+85℃
Nominal Operating Cell Temperature(NOCT)	45±2℃

Mechanical Specifications

External Dimensions	1640×992×40mm	1640×992×35 mm
Weight	20 kg	19.5 kg
Solar Cells	Poly crystalline 156×156mm (60pcs)	Poly crystalline 156×156mm (60pcs)
Front Glass	3.2 mm tempered glass, low iron	3.2 mm tempered glass, low iron
Frame	Anodized aluminum alloy	Anodized aluminum alloy
Junction Box	IP67	IP67
Output Cables	4.0 mm²,cable length:1000 mm	4.0 mm²,cable length:1000 mm
Connector	MC4 Compatible	MC4 Compatible
Mechanical Load	5400 Pa	5400 Pa

Packing Configuration

	1640×992×40mm		1640×992×35mm	
Container	20'GP	40'GP	20'GP	40'GP
Pieces per Pallet	26	26	30	30
Pallets per Container	12	28	12	28
Pieces per Container	312	728	360	840



All Dimensions in mm(inch)
The above drawing is a graphical representation of the product.
For engineering quality drawings please contact KFSOLAR.

I-V Curve (KF265P-20)

