



# 280~320 Watt



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

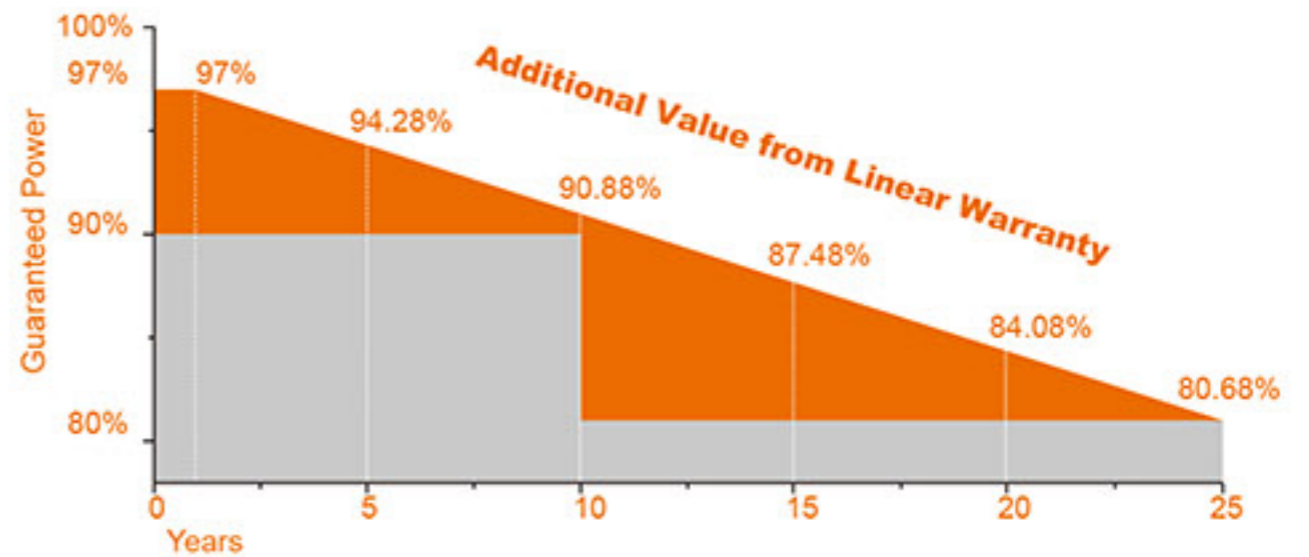
## MANAGEMENT SYSTEM

- 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



**12** Years  
 Material & Craft  
 Quality  
 assurance

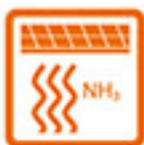
**12** Years  
 90% Output  
 Power  
 guarantee

**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 (STC)

Module Type	SKT280M6-20	SKT290M6-20	SKT295M6-20	SKT300M6-20
Maximum Power- Pmax(W)	280	290	295	300
Open Circuit Voltage - Voc(V)	39.3	40.2	40.6	41.0
Short-Circuit Current - Isc(A)	9.50	9.62	9.75	9.83
Voltage at Pmax -Vmp(V)	32.3	33.1	33.5	33.9
Current at Pmax - Imp(A)	8.67	8.76	8.81	8.86
Module Efficiency -ηm (%)	17.1	17.8	18.0	18.3

Module Type	SKT305M6-20	SKT310M6-20	SKT315M6-20	SKT320M6-20
Maximum Power- Pmax(W)	305	310	315	320
Open Circuit Voltage - Voc(V)	41.4	41.8	42.2	42.6
Short-Circuit Current - Isc(A)	9.87	9.92	9.97	10.02
Voltage at Pmax -Vmp(V)	34.3	34.7	35.1	35.5
Current at Pmax - Imp(A)	8.90	8.94	8.98	9.02
Module Efficiency -ηm (%)	18.6	19.0	19.4	19.7

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

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

### Temperature Characteristics

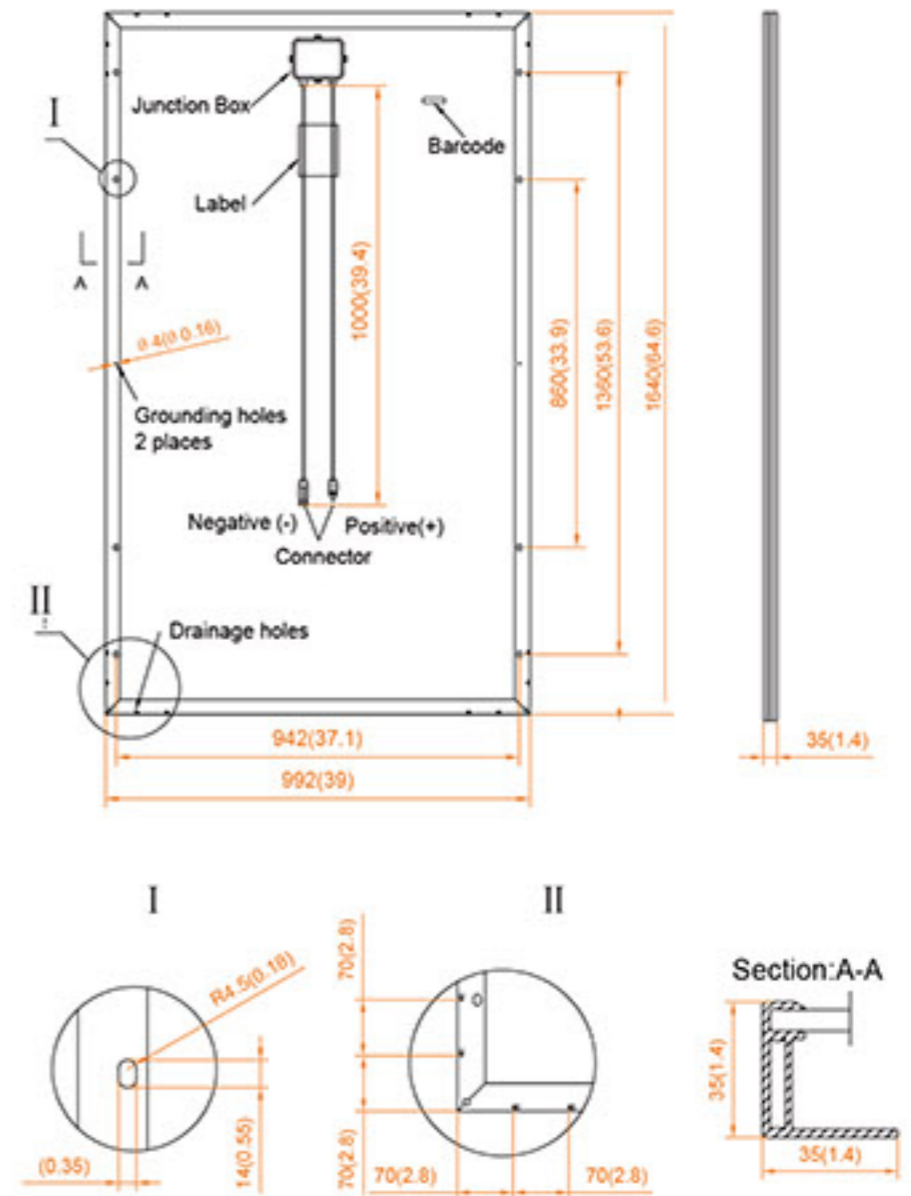
Pmax Temperature Coefficient	-0.36%/°C
Voc Temperature Coefficient	-0.29%/°C
Isc Temperature Coefficient	+0.05%/°C
Operating Temperature	-40~+85°C
Nominal Operating Cell Temperature(NOCT)	45±2°C

### Mechanical Specifications

External Dimensions	1640×992×35 mm
Weight	20 kg
Solar Cells	Mono crystalline 156×156mm (60pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67
Output Cables	4.0 mm <sup>2</sup> , cable length: 1000 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa

### Packing Configuration

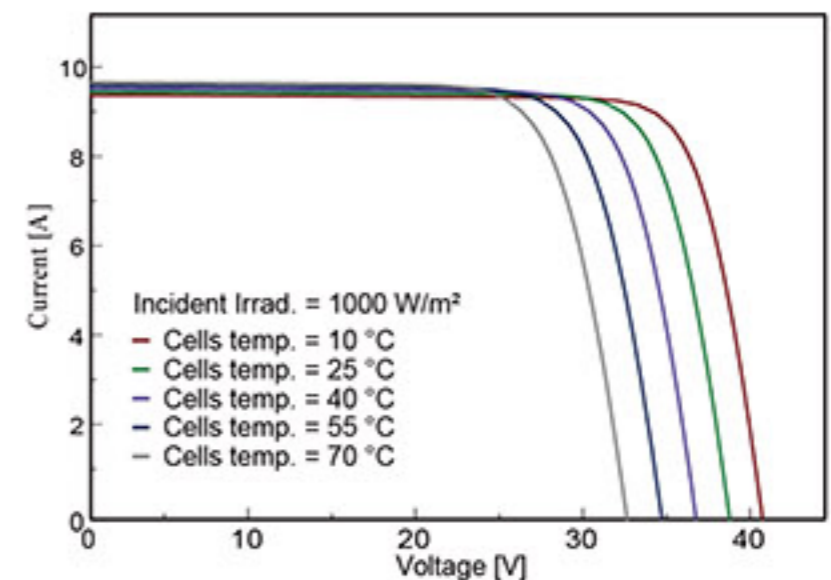
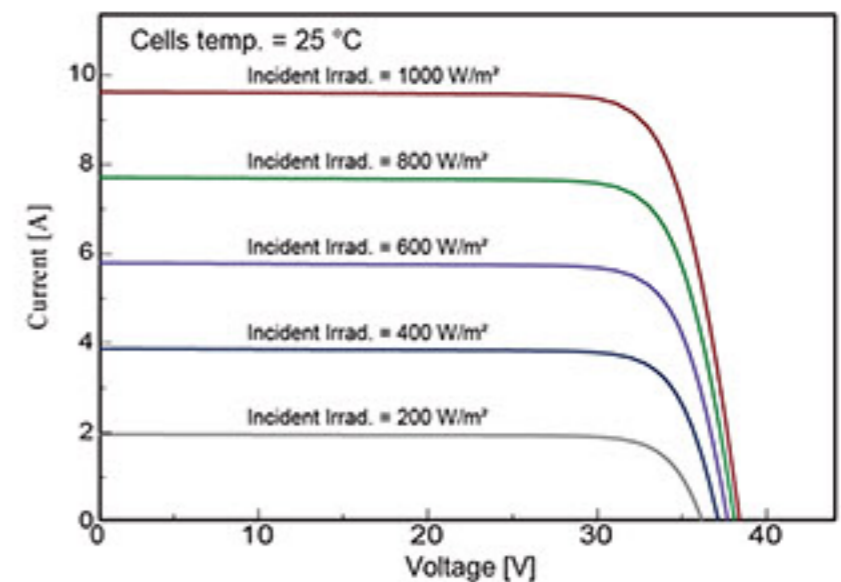
	1640×992×35mm	
Container	20'GP	40'GP
Pieces per Pallet	30	30
Pallets per Container	12	28
Pieces per Container	360	840



All Dimensions in mm(inch)

The above drawing is a graphical representation of the product. For engineering quality drawings please contact SUNKET.

### I-V Curve (SKT280M6-20)



Specifications are subject to change without further notification SKT-EN-2019V1.0 © Copyright 2019 Sunket