

TS-S70M TS-S80W TS-S90W

Electrical Data

MONO

Nominal peak power [Pmax]±3%
Maximum power voltage [Vmp]
Maximum power current [Imp]
Short-circuit current[Isc]
Open-circuit voltage[Voc]
Optimized cell efficiency

	TS-S80W	TS-S90W
Nominal peak power [Pmax]±3%	80Wp	90Wp
Maximum power voltage [Vmp]	18.5V	18.5V
Maximum power current [Imp]	4.59A	4.92A
Short-circuit current[Isc]	5.13A	5.3A
Open-circuit voltage[Voc]	22.2V	22.2V
Optimized cell efficiency	16%	17%

Limits

Operating temperature
Maximum system voltage

-40°C to +85°C
715VDC

Temperature and Coefficients

NOCT

Current temperature coefficient
Voltage temperature coefficient
Power temperature coefficient

48°C to ±2°C
%/K 0.06±0.01
mv/K -(78±10)
%/K -(0.5±0.05)

NOCT:Nominal Operation Cell Temperature

Additional Data

Number of cells and type of connection

36,serial connection

Dimensions

Length:1200mm
Width:550mm
Height:35mm

Weight

8.2kgs

Container Loading

1344PCS/40,HQ
1176PCS/40,GP
546PCS/20,GP

[Standard Conditions:Irradiation 1000W/m2;Module temperature 25 °C]

Guaranteed Power Output

15year:90% of its nominal power rating
25year:80% of its nominal power rating

Warranty Period

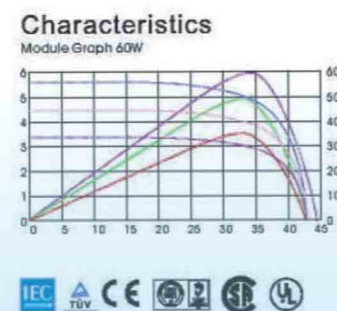
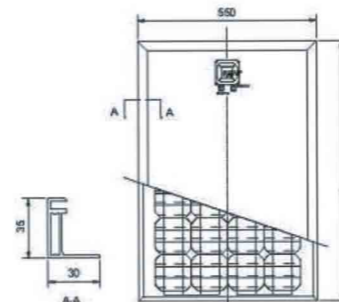
Replacement for manufacturing defects within 5 years

Certificates

CE,ISO,IEC61215 & 61730-2(TUV), UL1703/CSA

Cells

xql:Monocrystalline silicon photovoltaic cell



TS-S110W TS-S120W TS-S130W

Electrical Data

MONO

Nominal peak power [Pmax]±3%
Maximum power voltage [Vmp]
Maximum power current [Imp]
Short-circuit current[Isc]
Open-circuit voltage[Voc]
Optimized cell efficiency

	TS-S110W	TS-S120W	TS-S130W
Nominal peak power [Pmax]±3%	110Wp	120Wp	130Wp
Maximum power voltage [Vmp]	18V	18V	18V
Maximum power current [Imp]	6.11A	6.67A	7.22A
Short-circuit current[Isc]	6.65A	7.25A	7.85A
Open-circuit voltage[Voc]	22.4V	22.5V	22.6V
Optimized cell efficiency	13.7%	15.0%	16.2%

Limits

Operating temperature
Maximum system voltage

-40°C to +85°C
1000VDC

Temperature and Coefficients

NOCT

Current temperature coefficient
Voltage temperature coefficient
Power temperature coefficient

48°C to ±2°C
%/K 0.06±0.01
mv/K -(78±10)
%/K -(0.5±0.05)

NOCT:Nominal Operation Cell Temperature

Additional Data

Number of cells and type of connection

54,serial connection

Dimensions

Length:1215mm
Width:800mm
Height:35mm

Weight

11kg

Container Loading

1150PCS/40,HQ
1012PCS/40,GP
440PCS/20,GP

[Standard Conditions:Irradiation 1000W/m2;Module temperature 25 °C]

Guaranteed Power Output

15year:90% of its nominal power rating
25year:80% of its nominal power rating

Warranty Period

Replacement for manufacturing defects within 5 years

Certificates

UL1703/CSA

Cells

xql:Monocrystalline silicon photovoltaic cell

