

TS-S170M TS-S175W TS-S180W

Electrical Data

MONO	TS-S170M	TS-S175W	TS-S180W
Nominal peak power [Pmax]±3%	170Wp	175Wp	180Wp
Maximum power voltage [Vmp]	35.5V	35.7V	36.2V
Maximum power current [Imp]	4.79A	4.90A	4.97A
Short-circuit current[Isc]	5.10A	5.21A	5.29A
Open-circuit voltage[Voc]	44.4V	44.5V	45.2V
Optimized cell efficiency	15.9%	16.3%	16.8%

Limits

Operating temperature	-40°C to +85°C
Maximum system voltage	1000VDC

Temperature and Coefficients

NOCT	48°C to ±2°C	
Current temperature coefficient	%/K	0.06±0.01
Voltage temperature coefficient	mv/K	-(116±10)
Power temperature coefficient	%/K	-(0.5±0.05)

NOCT:Nominal Operation Cell Temperature

Additional Data

Number of cells and type of connection	72,serial connection
Dimensions	Length:1580mm Width:808mm Height:46mm
Weight	16kg
Container Loading	588PCS/40,HQ 532PCS/40,GP 228PCS/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

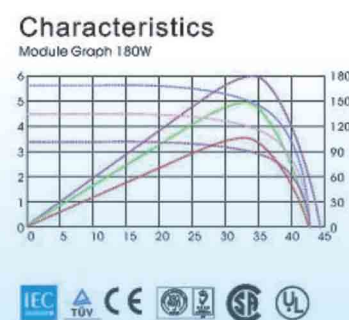
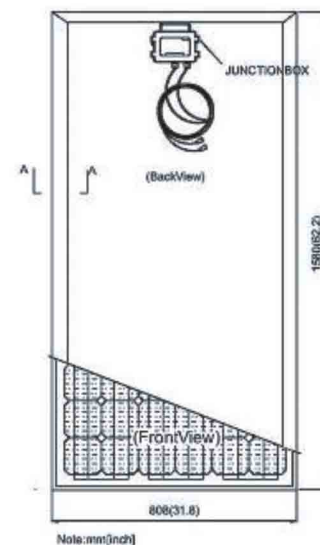
Replacement for manufacturing defects within 5 years

Certificates

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

Cells

xql:Monocrystalline silicon photovoltaic cell



TS-S210M TS-S220W TS-S230W

Electrical Data

MONO	TS-S210M	TS-S220W	TS-S230W
Nominal peak power [Pmax]±3%	210Wp	220Wp	230Wp
Maximum power voltage [Vmp]	36V	36V	36.2V
Maximum power current [Imp]	5.83A	6.11A	6.35A
Short-circuit current[Isc]	6.34A	6.64A	6.90A
Open-circuit voltage[Voc]	45.4V	45.6V	45.8V
Optimized cell efficiency	15.5%	16.3%	17.0%

Limits

Operating temperature	-40°C to +85°C
Maximum system voltage	1000VDC

Temperature and Coefficients

NOCT	48°C to ±2°C	
Current temperature coefficient	%/K	0.06±0.01
Voltage temperature coefficient	mv/K	-(155±10)
Power temperature coefficient	%/K	-(0.5±0.05)

NOCT:Nominal Operation Cell Temperature

Additional Data

Number of cells and type of connection	91,serial connection
Dimensions	Length:1706mm Width:944mm Height:50mm
Weight	20kg
Container Loading	468PCS/40,HQ 416PCS/40,GP 192PCS/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

