

TS-S170P TS-S175P TS-S180P

Electrical Data

POLY	TS-S170P	TS-S175P	TS-S180P
Nominal peak power [Pmax]±3%	170Wp	175Wp	180Wp
Maximum power voltage [Vmp]	29.0V	29.0V	29.0V
Maximum power current [Imp]	5.86A	6.03A	6.21A
Short-circuit current[Isc]	6.37A	6.39A	6.75A
Open-circuit voltage[Voc]	36.7V	36.7V	36.8V
Optimized cell efficiency	11.6%	12.0%	12.3%

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	60,serial connection
Dimensions	Length:1640mm Width:992mm Height:50mm
Weight	20kg
Container Loading	476PCS/40,HQ 420PCS/40,GP 180PCS/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

Warranty Period

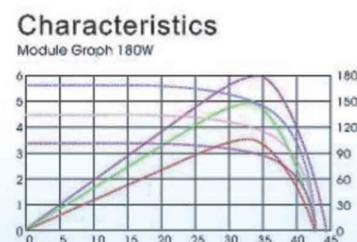
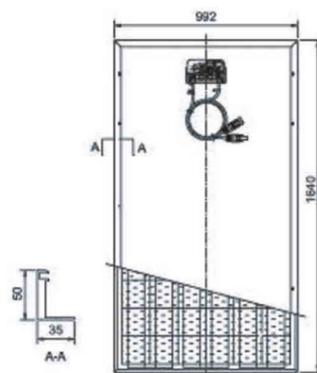
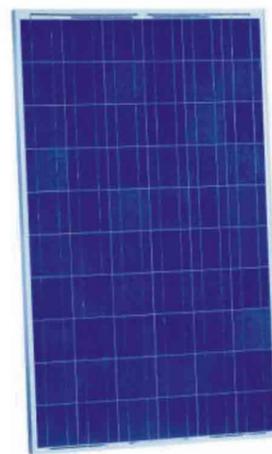
Replacement for manufacturing defects within 5 years

Certificates

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

Cells

xql:poly-crystalline silicon photovoltaic cell



TS-S200P TS-S220P TS-S230P

Electrical Data

POLY	TS-S200P	TS-S220P	TS-S230P
Nominal peak power [Pmax]±3%	200Wp	210Wp	220Wp
Maximum power voltage [Vmp]	29.5V	29.6V	29.8V
Maximum power current [Imp]	6.8A	7.1A	7.38A
Short-circuit current[Isc]	7.2A	7.52A	7.82A
Open-circuit voltage[Voc]	36.7V	36.9V	37.1V
Optimized cell efficiency	13.7%	14.4%	15.1%

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	60,serial connection
Dimensions	Length:1640mm Width:992mm Height:50mm
Weight	20kg
Container Loading	476PCS/40,HQ 420PCS/40,GP 180PCS/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:poly-crystalline silicon photovoltaic cell

