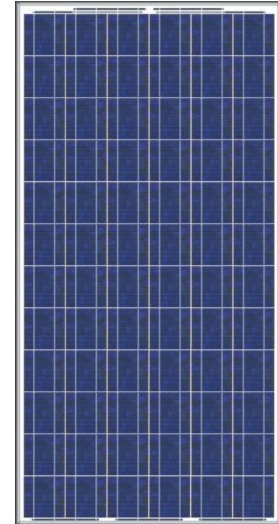


POLYCRYSTALLINE PHOTOVOLTAIC MODULE

ST250P(72) ST260P(72) ST270P(72) ST280P(72)

SPECIFICATIONS

Solar Cell	Polycrystalline silicon solar cells 156mm×156mm
No. of Cells	72pcs
Dimensions	1956mm × 992mm × 50mm
Front Glass	Tempered glass (4mm)
Weight	25Kg
Power Tolerance	0/+3%



ELECTRICAL CHARACTERISTICS

Module	ST250P(72)	ST260P(72)	ST270P(72)	ST280P(72)
Open Circuit Voltage (Voc)	42.6V	43.2V	43.8V	44.1V
Optimum Operating Voltage (Vmp)	34.4V	34.9V	35.0V	35.3V
Short Circuit Current (Isc)	7.82A	7.90A	8.10A	8.31A
Optimum Operating Current (Imp)	7.27A	7.45A	7.72A	7.93A
Module Efficiency	12.95%	13.47%	14.00%	14.50%
Maximum Power at STC (Pm)	250Wp	260Wp	270Wp	280Wp
STC: Irradiance 1000W/m ²	Module Temperature 25°C		AM=1.5	
Operating Temperature -40°C / +80°C	Maximum System Voltage 1000VDC			

TEMPERATURE & COEFFICIENTS

NOCT	47°C ± 2°C
Temp. Coeff. Of Isc (TK Isc)	(0.080 ± 0.015)%/°C
Temp. Coeff. Of Voc (TK Voc)	-0.32%/°C
Temp. Coeff. Of Pmax (TK Pmax)	-(0.45 ± 0.05)%/°C
Max dinam. load back (eg. wind)	2400Pa
Max static load front (eg. snow and wind)	5400Pa
Max hailstone impact (diameter/velocity)	25mm / 23m/s
NOCT: Nominal Operating Cell Temperature	

JUNCTION BOX

Output Cables	1.1m
Connectors	MC4
Diodes	6 Bypass Diodes

CERTIFICATIONS & STANDARDS



WARRANTY

- 10 years material and workmanship warranty
- 12 years warranty, 90% power output
- 25 years warranty, 80% power output

Current-Voltage & Power-Voltage Curve (240S-20)

