

72 CELL MONO

345-365 W

PERC
technology



HIGH QUALITY AND RELIABLE MODULES

- 0~+5 W guaranteed positive tolerance
- Withstand up to 5200 Pa snow load and 2300 Pa wind load
- Rugged design for long-term durability
- 1000/1500V DC TUV certified
- 2 EL inspections per cell/module for defect-free consistency
- High salt and ammonia resistance certified by TUV Rheinland
- Fire Rating Class C by TUV Rheinland



1956 x 992 x 40 mm
Black Frame / White Backsheet



COMPREHENSIVE CERTIFICATES FOR PRODUCTS AND MANAGEMENT

- ISO 9001 for Quality Management Systems
- ISO 14001 for Environmental Management Systems
- ISO 18001 Occupational Health and Safety System
- UL 1703, IEC 61215, IEC 61730, CEC listed, MCS and CE

0~+5W
POWER TOLERANCE

18.8%
MAXIMUM EFFICIENCY

345-365W
POWER OUTPUT RANGE



Electrical Characteristics STC

STC: AM1.5 Irradiance 1000 W/m ² / 25°C	STERN 345 P	STERN 350 P	STERN 355 P	STERN 360 P	STERN 365 P
Maximum Power (Pmax)	345 W	350 W	355 W	360 W	365 W
Maximum Power Current (Imp)	8.99 A	9.10 A	9.20 A	9.29 A	9.39 A
Maximum Power Voltage (Vmp)	38.4 V	38.5 V	38.6 V	38.8 V	38.9 V
Short Circuit Current (Isc)	9.50 A	9.59 A	9.67 A	9.83 A	9.94 A
Open Circuit Voltage (Voc)	47.0 V	47.2 V	47.4 V	47.5 V	47.6 V
Module Efficiency	17.8%	18.0%	18.3%	18.5%	18.8%
Power Tolerance	0-+5 W	0-+5 W	0-+5 W	0-+5 W	0-+5 W

Electrical Characteristics NOCT

NOCT: AM1.5 Irradiance 800 W/m ² / 20°C / Wind speed 1 m/s	STERN 345 P	STERN 350 P	STERN 355 P	STERN 360 P	STERN 365 P
Maximum Power (Pmax)	253 W	257 W	261 W	265 W	269 W
Maximum Power Current (Imp)	7.17 A	7.24 A	7.35 A	7.43 A	7.50 A
Maximum Power Voltage (Vmp)	35.3 V	35.5 V	35.6 V	35.7 V	35.9 V
Short Circuit Current (Isc)	7.70 A	7.77 A	7.82 A	7.90 A	7.98 A
Open Circuit Voltage (Voc)	43.3 V	43.5 V	43.7 V	43.8 V	44.0 V

Packing Information

Pieces per pallet	26
Pallets per container (40HQ)	24
Pieces per container (40HQ)	624
Pallet weight	758 kg
Pallet size	1 990 x 1130 x 1145 mm

Maximum Ratings

Operating Temperature	-40~85°C
Maximum Series Fuse Rating	15 A
Maximum System Voltage	1000/1500 V DC

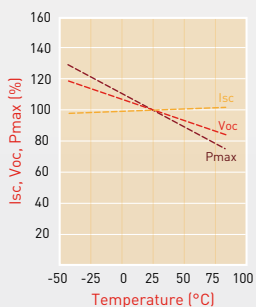
Mechanical Characteristics

Solar Cell	Monocrystalline 156.75 x 156.75 mm 72 (6 x 12) pcs in series
Glass	High transparency, low iron tempered glass 4 mm
Frame	Anodized aluminum alloy
Junction Box	IP67 rated, with 3 bypass diode
Output Cable	4 mm ² (EU)/1200 mm long
Connector	MC4 compatible
Dimension	1956 x 992 x 40 mm
Weight	26.5 kg

Thermal Characteristics

Pmax Temperature Coefficient	-0.40%/K
Voc Temperature Coefficient	-0.31%/K
Isc Temperature Coefficient	+0.06%/K
NOCT	45±2°C

Irradiance: AM 1.5, 1,000W/m² (365 W)



I-V Curves at Different Irradiances (365 W)
Test Temperature: 25°C

