

72 CELL POLY 320-340 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
- 2 EL inspections per cell/module for defect-free consistency
- High salt and ammonia resistance certified
- Fire Rating Class C



1956 x 992 x 40 mm
Silver 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~+5 W
POWER TOLERANCE

17.5%
MAXIMUM EFFICIENCY

320-340 W
POWER OUTPUT RANGE



Electrical Characteristics STC

STC: AM1.5 Irradiance 1000 W/m ² / 25°C	STERN 320 P	STERN 325 P	STERN 330 P	STERN 335 P	STERN 340 P
Maximum Power (Pmax)	320 W	325 W	330 W	335 W	340 W
Maximum Power Current (Imp)	8.65 A	8.74 A	8.83 A	8.92 A	9.00 A
Maximum Power Voltage (Vmp)	37.0 V	37.2 V	37.4 V	37.6 V	37.8 V
Short Circuit Current (Isc)	9.17 A	9.25 A	9.33 A	9.41 A	9.49 A
Open Circuit Voltage (Voc)	45.5 V	45.7 V	45.8 V	46.1 V	46.5 V
Module Efficiency	16.5%	16.7%	17.0%	17.2%	17.5%
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 320 P	STERN 325 P	STERN 330 P	STERN 335 P	STERN 340 P
Maximum Power (Pmax)	237 W	241 W	245 W	248 W	251 W
Maximum Power Current (Imp)	6.93 A	7.00 A	7.07 A	7.15 A	7.22 A
Maximum Power Voltage (Vmp)	34.1 V	34.3 V	34.5 V	34.7 V	34.8 V
Short Circuit Current (Isc)	7.35 A	7.41 A	7.47 A	7.55 A	7.61 A
Open Circuit Voltage (Voc)	42.7 V	42.9 V	43.0 V	43.2 V	43.4 V

Packing Information

Pieces per pallet	26
Pallets per container (40HQ)	24
Pieces per container (40HQ)	624
Pallet weight	758 kg
Pallet size	1990 x 1130 x 1145 mm

Maximum Ratings

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

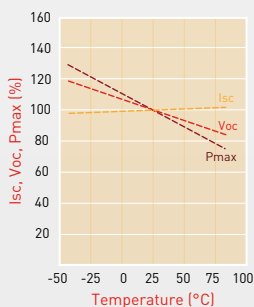
Mechanical Characteristics

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	-0.41%/K
Voc Temperature Coefficient	-0.31%/K
Isc Temperature Coefficient	+0.05%/K
NOCT	45±2°C

Irradiance: AM 1.5, 1,000W/m² (335 W)



I-V Curves at Different Irradiances (335 W)
Test Temperature: 25°C

