

60 CELL MONO 305-325 W

PERC
technology



HIGH QUALITY AND RELIABLE MODULES

- Withstand up to 5400 Pa snow load and 2400 Pa wind load
- 1000/1500V DC
- 2 EL inspections per cell/module for defect-free consistency
- Fire Rating Class C
- High salt and ammonia resistance certified
- 0-+5 W guaranteed positive tolerance
- Rugged design for long-term durability; passed extended reliability tests



1664 x 1002 x 35 mm
Silver Frame / White Backsheet



COMPREHENSIVE CERTIFICATES FOR PRODUCTS AND MANAGEMENT

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

0~+5W
POWER TOLERANCE

19.49%
MAXIMUM EFFICIENCY

305-325W
POWER OUTPUT RANGE



Electrical Characteristics STC

STC: AM1.5 Irradiance 1000 W/m ² / 25°C	STERN 305 M	STERN 310 M	STERN 315 M	STERN 320 M	STERN 325 M
Maximum Power (Pmax)	305 W	310 W	315 W	320 W	325 W
Maximum Power Current (Imp)	9.50 A	9.59 A	9.68 A	9.77 A	9.86 A
Maximum Power Voltage (Vmp)	32.11 V	32.33 V	32.55 V	32.76 V	32.97 V
Short Circuit Current (Isc)	9.96 A	10.05 A	10.14 A	10.23 A	10.32 A
Open Circuit Voltage (Voc)	39.95 V	40.17 V	40.39 V	40.60 V	40.71 V
Module Efficiency	18.29%	18.59%	18.89%	19.19%	19.49%
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 305 M	STERN 310 M	STERN 315 M	STERN 320 M	STERN 325 M
Maximum Power (Pmax)	225 W	229 W	233 W	237 W	241 W
Maximum Power Current (Imp)	7.65 A	7.73 A	7.80 A	7.87 A	7.94 A
Maximum Power Voltage (Vmp)	29.42 V	29.63 V	29.88 V	30.12 V	30.36 V
Short Circuit Current (Isc)	8.02 A	8.10 A	8.17 A	8.24 A	8.32 A
Open Circuit Voltage (Voc)	36.61 V	36.81 V	37.07 V	37.32 V	37.48 V

Packing Information

Pieces per pallet	30
Pallets per container (40HQ)	28
Pieces per container (40HQ)	840
Pallet weight	613 kg
Pallet size	1700 x 1120 x 1150 mm

Maximum Ratings

Operating Temperature	-40~85°C
Maximum Series Fuse Rating	15/20 A
Maximum System Voltage	Standard 1000V, 1500V on request

Mechanical Characteristics

Solar Cell	Monocrystalline 158.75x158.75mm 60 (6 x 10) pcs in series
Glass	High transparency, low iron tempered glass 3.2 mm
Frame	Anodized aluminum alloy
Junction Box	IP67 rated, with 3 bypass diode
Output Cable	4mm ² (EU) /1000 mm long
Connector	MC4 Original
Dimension	1664x1002x35 mm
Weight	18.9 KG

Thermal Characteristics

Pmax Temperature Coefficient	-0.39%/K
Voc Temperature Coefficient	-0.295%/K
Isc Temperature Coefficient	+0.039%/K
NOCT	45±2°C

I-V Curves

