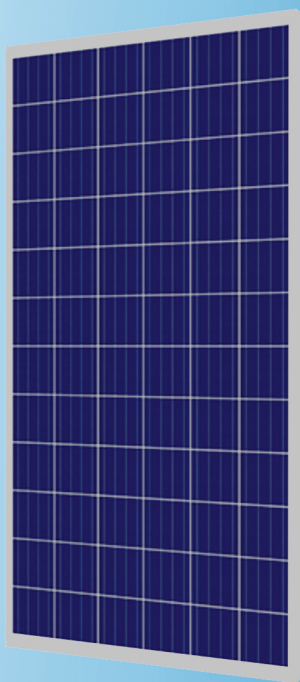
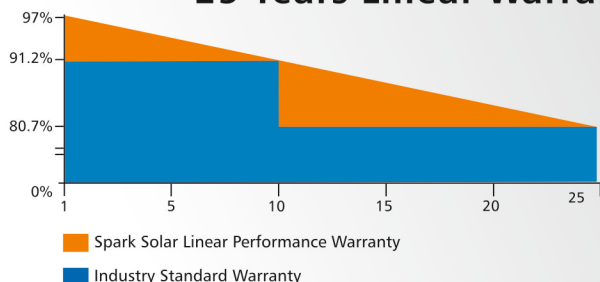




SPARK 72 CELL P SERIES



25 Years Linear Warranty



HIGH PERFORMANCE EXCELLENT DURABILITY



Positive Tolerance

Positive tolerance of up to 5W delivers output reliability



A Reliable Investment

Inclusive 10-year product warranty and 25-year linear performance warranty*



New All-Weather Technology

Optimal yields, with excellent low-light and temperature behavior.



High PID Resistant

Advanced cell technology and qualified materials lead to high PID resistance



Advanced Glass

Our high-transmission glass features a unique anti-reflective coating that directs more light on the solar cells, resulting in a higher energy yield.



Special four bus bar design

A shorter distance for electrons to travel vastly reduces electrodes resistance and raise in conversion efficiency. Less residual stress, less micro-cracks and hotspot risks.

Spark 72 Cell - P Series

upto **16.2%** EFFICIENCY

10 YEAR PRODUCT WARRANTY

25 YEAR LINEAR POWER OUTPUT WARRANTY

TEMPERATURE RATINGS

Nominal operating cell temperature (NOCT)	44.8°C (±2°C)
Temperature coefficient of P_{MPP} (Y)	-0.42 %/°C
Temperature coefficient of V_{OC} (β)	-0.32 %/°C
Temperature coefficient of I_{SC} (α)	+0.05 %/°C

GENERAL DATA

Cell type	: Multi-crystalline
Cell Matrix	: 72 cells (6 x 12)
Junction box	: Protection class IP 67, with 3 bypass diodes
Cable	: 4mm ² solar cable, (+) ≥ 1000 mm, (-) ≥ 1000 mm
Frame	: Anodized aluminum
Glass	: 3.2 mm solar glass with anti-reflective coating
Connectors	: Multi-Contact MC4 (4 mm ²)

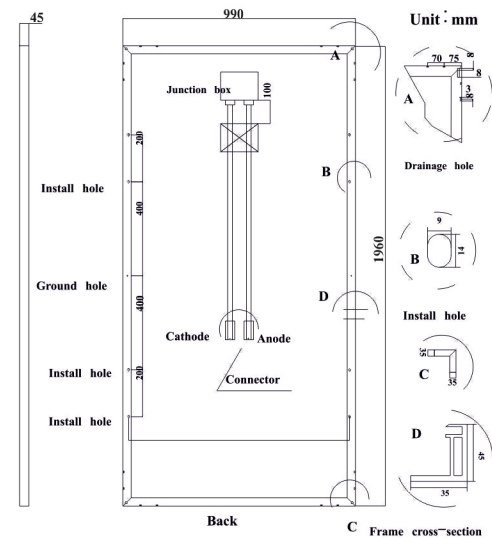
MAXIMUM RATINGS

Operating temperature (Permitted Module Temperature on Continuous Duty)	: -40 upto +85°C
Maximum system voltage	: 1000 V
Max series fuse rating	: 15 A
Max reverse current	: 15 A
Maximum wind load	: 244 kg/m ² (2400 Pa)
Maximum snow load	: 550 kg/m ² (5400 Pa)
Max. hailstone impact (diameter / velocity)	: 255mm /23m/s
Safety Class	: II
Fire Rating	: C

MECHANICAL SPECIFICATION

Dimensions	: 1960 x 990 x 45 mm
Area	: 1.94 m ²
Weight	: 24 kg (52.91 lbs)

Note: Specification subject to change without notice. Installation instructions must be followed. See the installation manual or contact technical service department for further information on approved installation. Atleast 97% of nominal power during first year. Thereafter max. degression in performance of 0.7% p.a. See warranty conditions for further details.



1960 x 990 x 45 mm

ELECTRICAL DATA@STC

		SS 300	SS 305	SS 310	SS 315	SS 320	SS 325
Nominal Power	- P_{MPP} (Wp)	300	305	310	315	320	325
Short Circuit Current	- I_{SC} (A)	8.86	8.93	8.99	9.12	9.18	9.24
Open Circuit Voltage	- V_{OC} (V)	45.2	45.4	45.6	45.7	46	46.3
Nominal Power Current	- I_{MPP} (A)	8.37	8.45	8.53	8.56	8.64	8.72
Nominal Power Voltage	- V_{MPP} (V)	35.8	36.1	36.3	36.8	37	37.3
Panel Efficiency	- (%)	15.5	15.7	16.0	16.2	16.4	16.6
Power Tolerance	- (W)	0/+5	0/+5	0/+5	0/+5	0/+5	0/+5

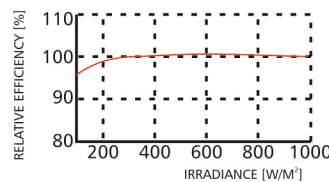
Values at standard test conditions STC (airmass AM 1.5, irradiance 1000 W/m², cell temperature 25°C).

ELECTRICAL DATA@NOCT

		SS 300	SS 305	SS 310	SS 315	SS 320	SS 325
Nominal Power	- P_{MPP} (Wp)	218.8	222.5	226.1	229.8	233.4	237.1
Short Circuit Current	- I_{SC} (A)	7.16	7.22	7.27	7.37	7.42	7.47
Open Circuit Voltage	- V_{OC} (V)	41.7	41.9	42.1	42.2	42.50	42.8
Nominal Power Current	- I_{MPP} (A)	6.70	6.76	6.82	6.85	6.91	6.98
Nominal Power Voltage	- V_{MPP} (V)	32.70	32.90	33.10	33.6	33.8	34.0

Nominal operating cell temperature NOCT (800 W/m², AM 1.5, windspeed 1 m/s, ambient temperature 20°C). Typical values, actual values may differ

PERFORMANCE AT LOW IRRADIANCE



Typical module performance under low irradiance conditions in comparison STC conditions (25 °C, 1000 W/m²).

PACKAGING INFORMATION

Container Size	20'	40'HC
Quantity Per Pallet	: 22	24
Pallets/Container	: 12	24
Quantity/Container	: 264	576