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SP-EN150SQ/SP-EN150SQ-B

F 35mm

Mono Solar Panel

Key Features



High Conversion Efficiency

Module efficiency up to 15.34% achieved through advanced cell technology and manufacturing capabilities



Positive Tolerance

Positive tolerance of up to -1%+~3% delivers higher output reliability



High PID Resistant

Advanced cell technology and qualified materials lead to high PID resistant



Current Sorting Process

System output maximised by reducing mismatch losses up to 2% with modules sorted and packaged by amperage



Extended Wind and Snow

Load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)



Withstanding Harsh Environment

Reliable quality leads to a better sustainability even in harsh environments in the outdoors

Quality Guarantee

- * High efficiency solar cells, Low resistance loss and higher conversion efficiency
- * Double EL test before and after lamination, highly controls product defects
- * Solar panel classified by current, to improve system performance

Certificates

- * ISO9001:2015
- * ISO14001:2015
- * ISO45001:2018
- * CE;CQC;SGS;IN METRO;DEKRA



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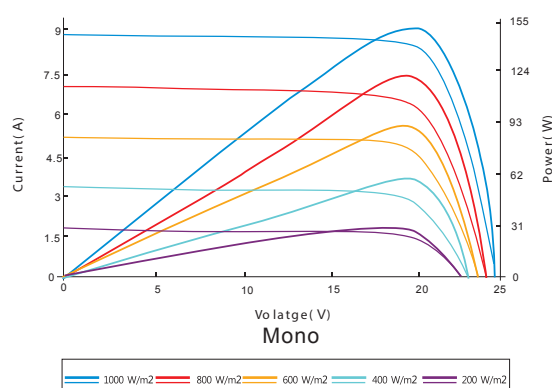
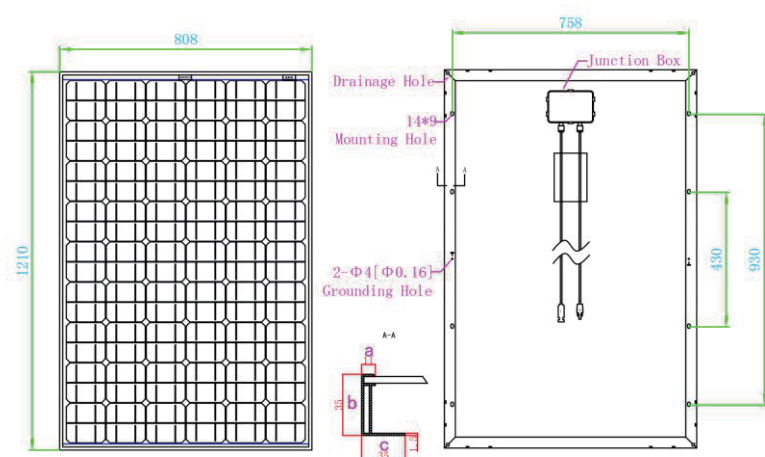


Electrical Characteristics

STC	SP-EN150SQ \ SP-EN150SQ-B
Maximum Power(Pmax)	150W
Optimum Operating Voltage(Vmp)	18.5V
Optimum Operating Current(Imp)	8.11A
Open Circuit Voltage(Voc)	22.5V
Short Circuit Current(Isc)	8.80A
Module Efficiency	15.34%
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	1000V DC (IEC)
Power Tolerance	-1%~+3%
STC	Irradiance 1000 W/m ² , module temperature 25°C, AM=1.5; Best in Class AAA solar simulator (IEC 60904-9) used

Engineering Drawing

I-V Curve



Excellent performance under weak light conditions: at an irradiance intensity of 800W/m² (AM 1.5, 25°C), 95.5% or higher of the STC efficiency(1000W/m²) is achieved.



Mechanical Characteristics

Solar Cell	Monocrystalline silicon 125mm×62.5mm
No. of Cells	108 (6×18)
Dimensions	1210x808x35mm
Weight	11.5kg
Front Glass	3.2mm(0.13 inches) tempered glass
Frame	Anodized aluminium alloy
Junction Box	Ip67 rated
Output Cables	TÜV (2Pfg1169:2007)
	4.0 mm ² (0.006 inches ²), symmetrical lengths(-) 900mm and (+) 900 mm
Connectors	MC4 connectors

Temperature Characteristics

NOCT	45±2°C
Temperature Coefficient of Pmax	-0.48%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.037%/°C

Packing Configuration(35mm)

Per Container (40' HQ)	1260Pieces
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Two Great Stores to choose from...

7 Cemetery Rd,
Mackay QLD 4740
Phone 07 4957 6123

Unit 16, 547 Woolcock St,
Mt Louisa, Townsville QLD 4814
Phone 07 4774 7344