



LS185 Monocrystalline Photovoltaic Module

Uniform performance and stability under a range of light conditions

Applications

On-grid Residential systems
On-grid Commercial Systems
On-grid Utility systems

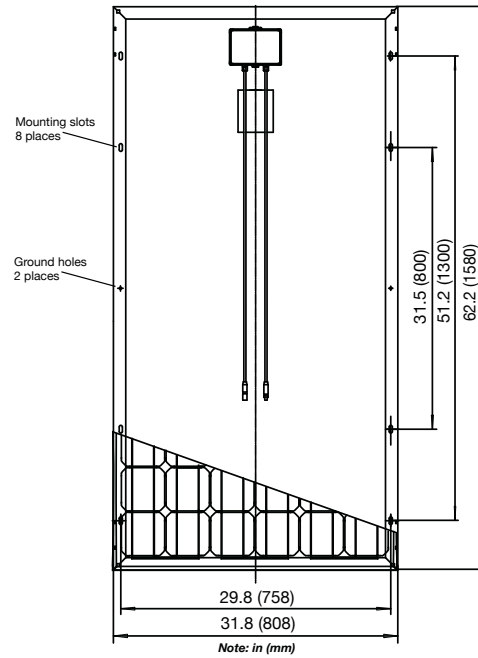
Features

72 mono crystalline CSUN Selective Emmitter Solar Cells
17.75% cell efficiency
Performance deviation of +/- 3%
Low degradation under high irradiance conditions
Low cell mismatch rate
Anodized aluminum alloy frame, black or clear

LS185

Electrical Specifications

Model	LS 185 - 72M
Rated Power @ STC	185 W
CEC Power @ PTC	165.6 W
Nominal Voltage	24 V
Open Circuit Voltage (Voc)	44.80 V
Short Circuit Current (Isc)	5.48 A
Peak Power Voltage (Vmp)	35.80 V
Maximum Power Current (Imp)	5.17 A
Operating Temperature	-40 °C to 85 °C
Max System Voltage (UL / IEC)	600 V / 1000 V
Max Series Fuse Rating	15 A
Power Tolerance	±3%
Cell Efficiency	17.75%
Power Density	13.46 W/ft ²

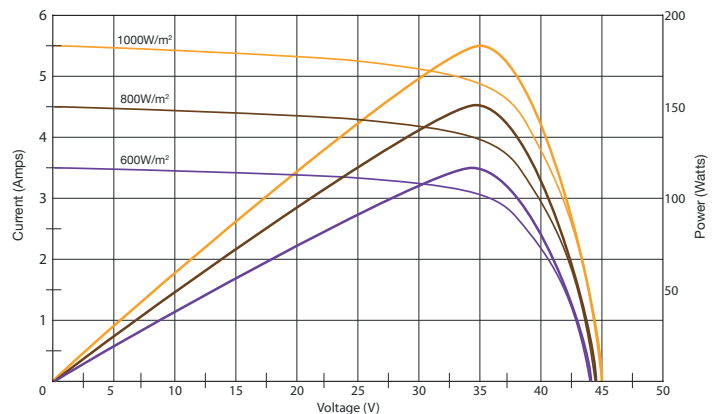


Mechanical Specifications

Solar Cell	Mono-crystalline 5" x 5" (125mm x 125mm)
Number of cells	72 (6 x 12)
Internal Bypass Diodes	3
Module Dimensions	62.2" x 31.8" x 1.4" (1580mm x 808mm x 35mm)
Module Area	13.73 ft ² (1.28 m ²)
Module Weight	34.4 lbs (15.6 kg)
Front Glass	.13" (3.2mm) tempered glass
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Frame	Anodized Black / Clear Aluminium Alloy
Output Cables	12 Awg. 35.4" (900 mm) MC4 Connectors
Static Load	50 PSF (2400 Pa)
Hail	Maximum Diameter 1" (25mm) at 52 mph (23 m/s)
Warranty	10 years at 90% of the rated power output, 25 years at 80% of the rated power output
Certifications	Safety Class II, CE, UL 1703, IEC 61215, IEC 61730-1/2

Temperature Coefficients

Nominal Operating Cell Temperature (NOCT)	113 °F (45 °C)
Temperature Coefficient of Pmp	-0.423 % / °C
Temperature Coefficient of Voc	-0.138 V / °C
Temperature Coefficient of Isc	2.137 mA / °C



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