

LS250

Monocrystalline Photovoltaic Module

Uniform performance and stability under a range of light conditions

Applications

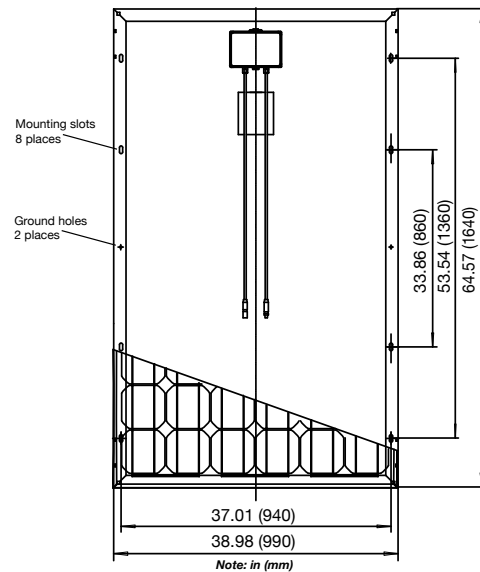
On-grid Residential systems
On-grid Commercial Systems
On-grid Utility systems

Features

60 mono crystalline CSUN Selective Emmitter Solar Cells
18.25% cell efficiency
Performance deviation of +/- 3%
Low degradation under high irradiance conditions
Low cell mismatch rate
Anodized aluminum alloy frame, black or clear

Electrical Specifications

Model	LS 250 - 60M
Rated Power @ STC	250 W
CEC Power @ PTC	226.6 W
Nominal Voltage	24 V
Open Circuit Voltage (Voc)	37.30 V
Short Circuit Current (Isc)	8.78 A
Peak Power Voltage (Vmp)	30.10 V
Maximum Power Current (Imp)	8.31 A
Operating Temperature	-40 °C to 85 °C
Max System Voltage (UL / IEC)	600 V / 1000 V
Series Fuse Rating	15 A
Power Tolerance	±3%
Cell Efficiency	18.25%
Power Density	14.30 W/ft ²



Mechanical Specifications

Solar Cell	Mono-crystalline 6" x 6" (156mm x 156mm)
Number of cells	60 (6 x 10)
Internal Bypass Diodes	6
Module Dimensions	64.57" x 38.98" x 1.97" (1640mm x 990mm x 50mm)
Module Area	17.48 ft ² (1.62 m ²)
Module Weight	43.65 lbs (19.8 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	113 PSF (5400 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	-0.115 V / °C
Temperature Coefficient of Isc	3.424 mA / °C

