

LSX250 Series

LSX Modules

A true systems approach to photovoltaic module and racking integration

Features

Frameless Module

Benefits

- No aluminum = lower embodied energy
- Lower profile

No Module Grounding

- No ground lugs
- No continuous module equipment ground

Constrained Module Positioning

- Perfect alignment
- Speeds install time

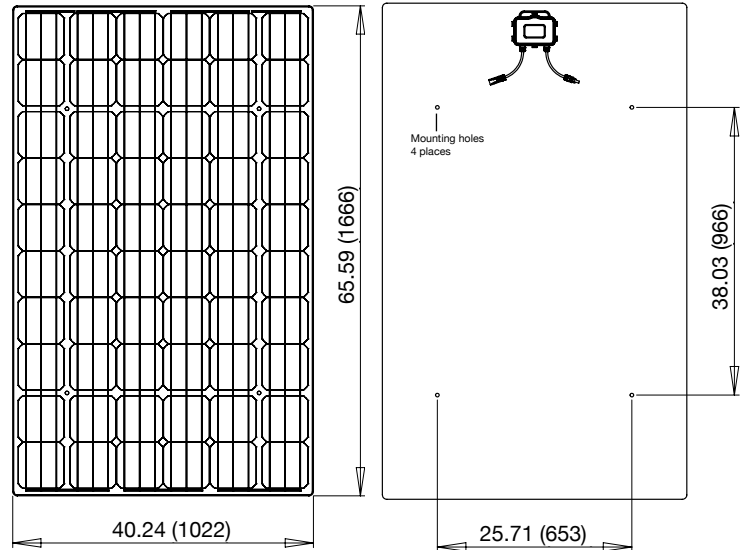
Available with black, clear or white back sheet

- Aesthetic options for different applications

LSX250 Series

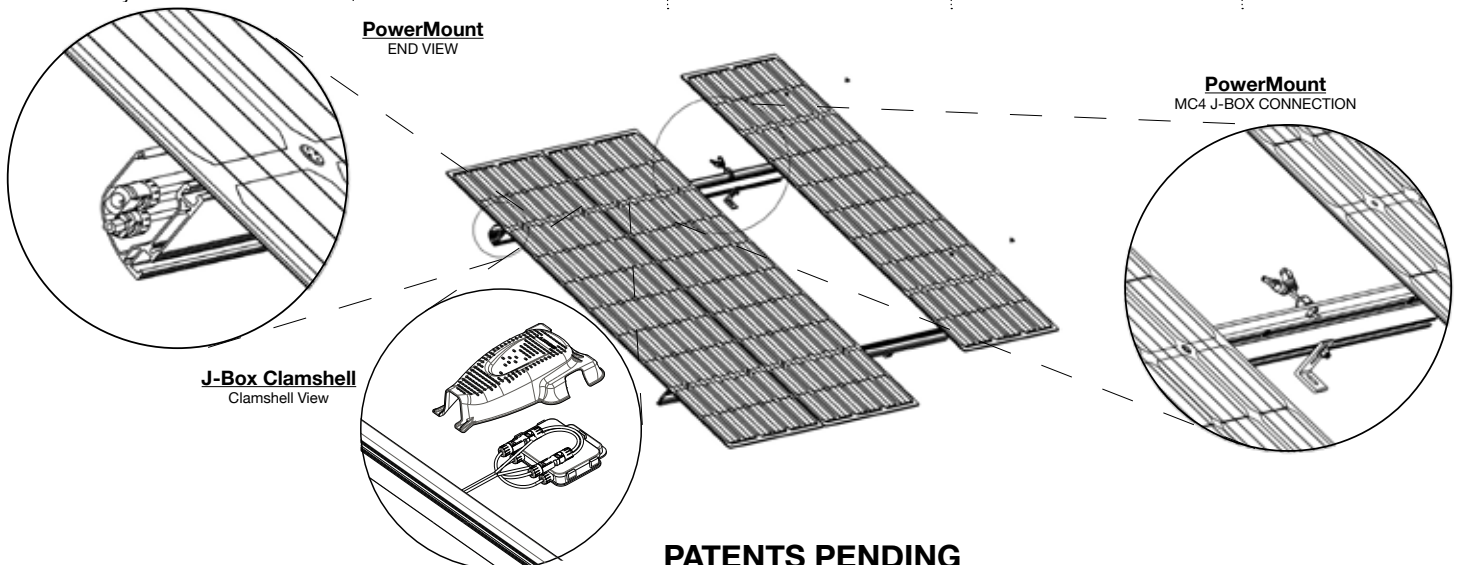
Mechanical Specifications

Solar Cell	Monocrystalline 6" x 6" (156mm x 156mm)
Number of Cells	60 (6 x 10)
Internal Bypass Diodes	6
Module Dimensions	65.59" x 42.24" (1666mm x 1022mm)
Module Area	18.33 ft ² (1.703 m ²)
Module Weight	61.8 lbs (28 kg)
Front Glass	.24" (6 mm) Tempered Glass
Cell Encapsulation	EVA (Ethylene-Vinyl-Acetate)
Backsheet	White, Black and Clear
PowerMount Assembly Options	1, 2, 3, 4 & 5 Black Anodized Portrait Module Lengths 1, 2, & 3 Black Anodized Landscape Module Lengths
Output Cables	12 Awg. 6" (153 mm) PV Wire with MC4 Connectors
Static Load	50 PSF (2400 Pa) Portrait/113PSF (5400Pa) Landscape
Hail	Maximum Diameter 1" (25mm) at 52 mph (23 m/s)
Warranty	12 years at 90% of the rated power output 25 years at 80% of the rated power output
Certifications	ETL per UL-1703 & CEC listing pending



Electrical Specifications

Model	LSX 235 - 60M	LSX 240 - 60M	LSX 245 - 60M	LSX 250 - 60M
Rated Power @ STC	235 W	240 W	245 W	250 W
CEC Power @ PTC	Testing	Testing	Testing	Testing
Nominal Voltage	24 V	24 V	24 V	24 V
Open Circuit Voltage (Voc)	36.8 V	37.0 V	37.2 V	37.3 V
Short Circuit Current (Isc)	8.54 A	8.62 A	8.69 A	8.78 A
Peak Power Voltage (Vmp)	29.6 V	29.8 V	30 V	30.1 V
Maximum Power Current (Imp)	7.94 A	8.06 A	8.17 A	8.31 A
Operating Temperature	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C	-40 °C to 85 °C
Max System Voltage (UL / IEC)	600 V / 1000 V	600 V / 1000 V	600 V / 1000 V	600 V / 1000 V
Series Fuse Rating	15 A	15 A	15 A	15 A
Power Tolerance	±3 %	±3 %	±3 %	±3 %
Cell Efficiency	17.5 %	17.75 %	18 %	18.25 %
Module Efficiency	14.47 %	14.78 %	15.09 %	15.49 %
Power Density	12.82 W/ft ²	13.09 W/ft ²	13.37 W/ft ²	13.64 W/ft ²



PATENTS PENDING