

# LSX200 Series

LSX Modules

**A true systems approach to photovoltaic module and racking integration**

### Features

Frameless Module

No Module Grounding

Constrained Module Positioning

Available with black, clear or white back sheet

### Benefits

- No aluminum = lower embodied energy
- Lower profile

- No ground lugs
- No continuous module equipment ground

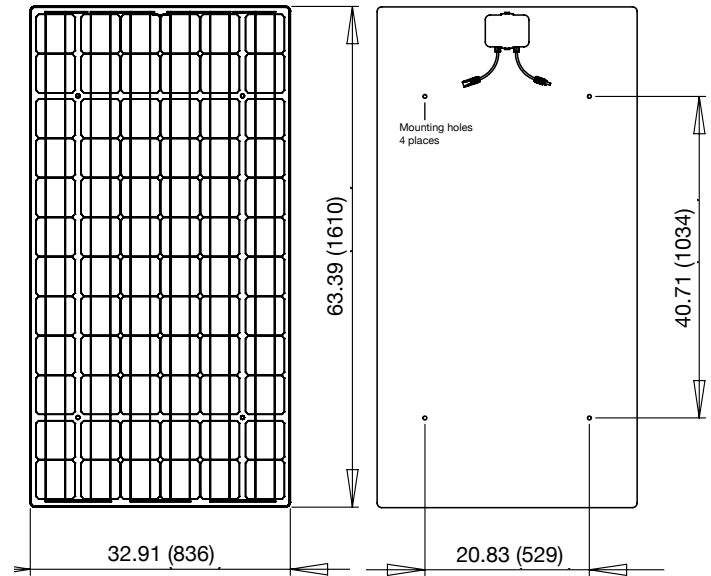
- Perfect alignment
- Speeds install time

- Aesthetic options for different applications

# LSX200 Series

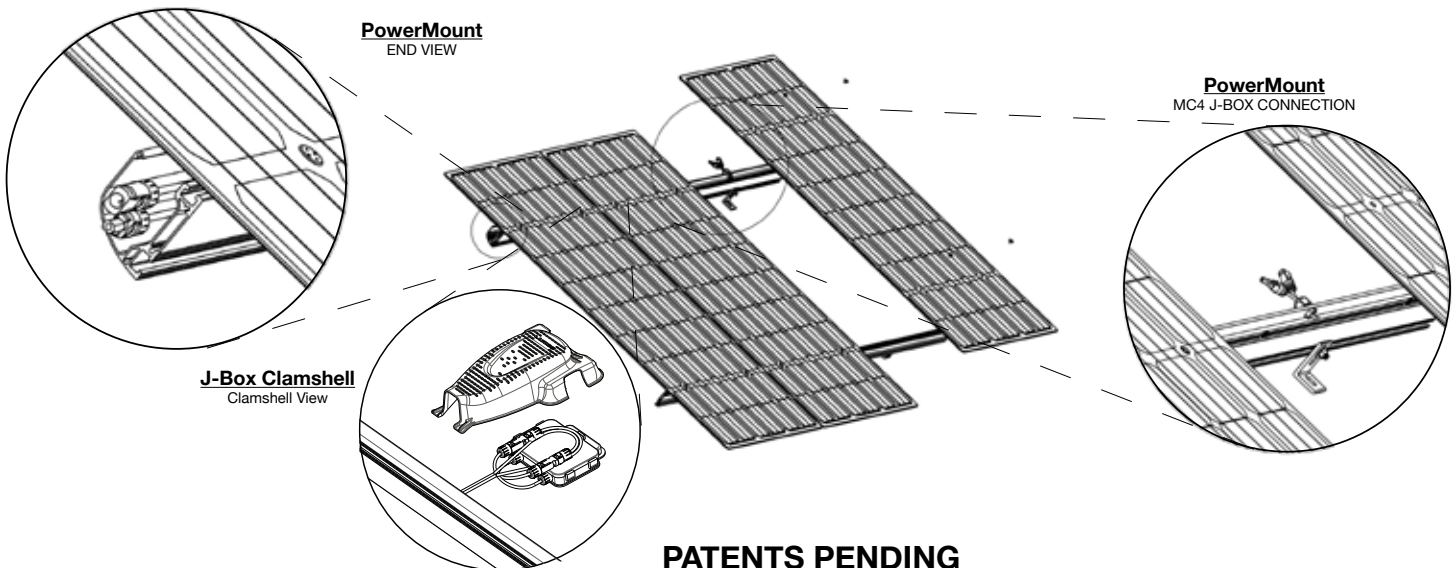
## Mechanical Specifications

|                             |  |
|-----------------------------|--|
| Solar Cell                  | Monocrystalline 5" x 5" (125mm x 125mm)  |
| Number of Cells             | 72 (6 x 12)  |
| Internal Bypass Diodes      | 3  |
| Module Dimensions           | 63.39" x 32.91" (1610mm x 836mm)   |
| Module Area                 | 14.49 ft <sup>2</sup> (1.35 m <sup>2</sup> )   |
| Module Weight               | 49.16 lbs (22.3 kg)  |
| Front Glass                 | .24" (6mm) 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<br>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/113 PSF (5400 Pa) Landscape  |
| Hail                        | Maximum Diameter 1" (25mm) at 52 mph (23 m/s)  |
| Warranty                    | 12 years at 90% of the rated power output<br>25 years at 80% of the rated power output                     |
| Certifications              | ETL per UL-1703 & CEC listing pending  |



## Electrical Specifications

| Model                         | LSX 185 - 72M           | LSX 190 - 72M           | LSX 195 - 72M           | LSX 200 - 72M          |
|-------------------------------|-------------------------|-------------------------|-------------------------|------------------------|
| Rated Power @ STC             | 185 W                   | 190 W                   | 195 W                   | 200 W                  |
| CEC Power @ PTC               | Testing                 | Testing                 | Testing                 | Testing                |
| Nominal Voltage               | 24 V                    | 24 V                    | 24 V                    | 24 V                   |
| Open Circuit Voltage (Voc)    | 44.8 V                  | 45 V                    | 45.2 V                  | 45.4 V                 |
| Short Circuit Current (Isc)   | 5.48 A                  | 5.5 A                   | 5.52 A                  | 5.6 A                  |
| Peak Power Voltage (Vmp)      | 35.8 V                  | 36.2 V                  | 36.6 V                  | 37 V                   |
| Maximum Power Current (Imp)   | 5.17 A                  | 5.25 A                  | 5.33 A                  | 5.41 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            | 10 A                    | 10 A                    | 10 A                    | 10 A                   |
| Power Tolerance               | ±3%                     | ±3%                     | ±3%                     | ±3%                    |
| Cell Efficiency               | 17.75%                  | 18%                     | 18.25%                  | 18.5%                  |
| Module Efficiency             | 13.75%                  | 14.12%                  | 14.49%                  | 14.86%                 |
| Power Density                 | 12.77 W/ft <sup>2</sup> | 13.11 W/ft <sup>2</sup> | 13.46 W/ft <sup>2</sup> | 13.8 W/ft <sup>2</sup> |



PATENTS PENDING