

## Middlebury College - Vermont

Manufacturer : Lumos LSX250 Series

Module Dimensions : 64.17" x 41.02" x .38"

Quantity : 26 modules



# LSX250 Series

A true systems approach to photovoltaic module and racking integration

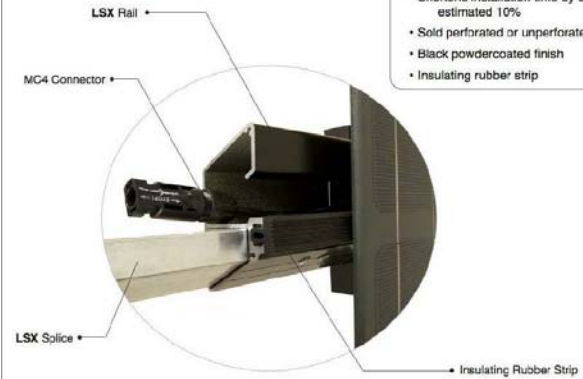
### Features

Frameless Module	_____	<b>Benefits</b>
No Module Grounding	_____	No aluminum = lower embodied energy
Constrained Module Positioning	_____	Lower profile
Integrated Wireway	_____	No ground lugs
Tamper Resistant Stainless Fasteners	_____	No continuous module equipment ground
Available with black, clear or white back sheet	_____	Perfect alignment
		Speeds install time
		UV and rodent protection
		Speeds installation time
		Keeps your investment working for you
		Aesthetic options for different applications



Our **LSX Rail** is the proprietary racking solution for the **LSX Module System**.

**LSX Rail** is sold with the insulating rubber strip and pre-installed, pre-positioned fasteners.



### Features:

- Integrated wireway provides rodent and UV protection
- Shortens installation time by an estimated 10%
- Solid perforated or unperforated
- Black powdercoated finish
- Insulating rubber strip

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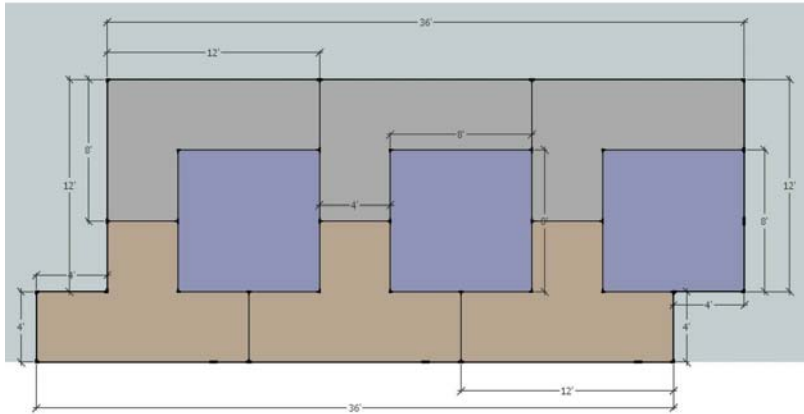
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Adv. Detailing

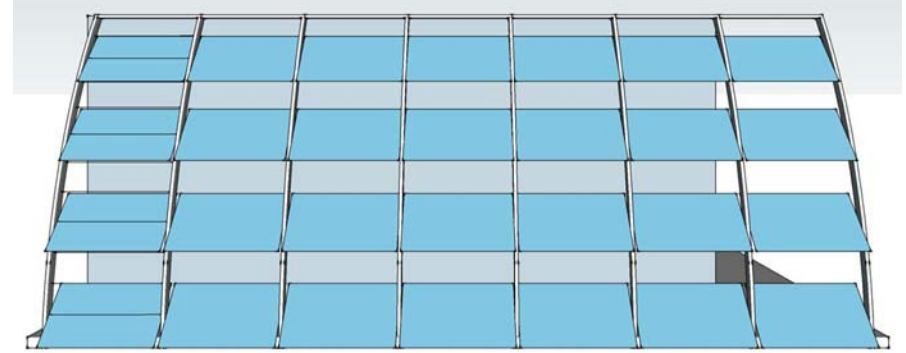
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## Assignment 5

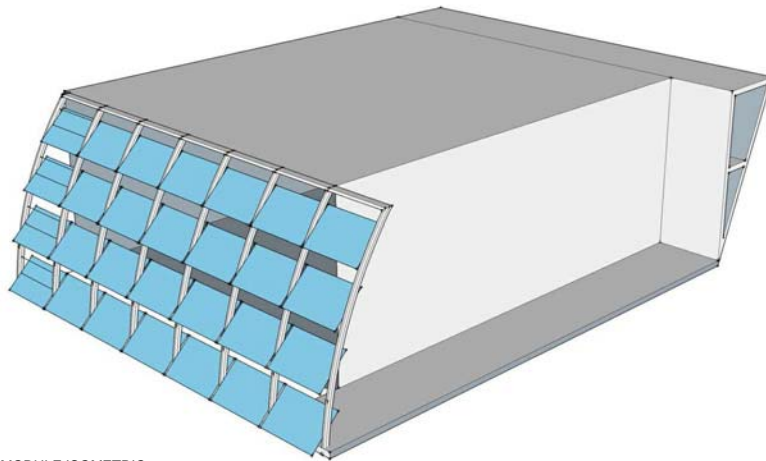
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Date	02/16/14	
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Checked by	Checker	
		Scale



FACADE PANEL DESIGN



FACADE SOLAR PANEL PLACEMENT

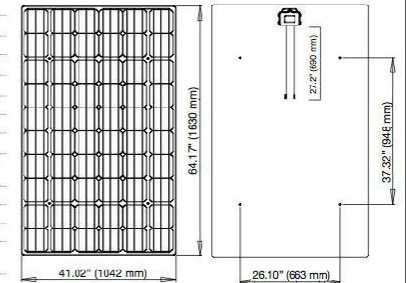


MODULE ISOMETRIC

## LSX250 Series

### Mechanical Specifications

Solar Cell	Monocrystalline 6" x 6" (156mm x 156mm)
Number of Cells	60 (6 x 10)
Internal Bypass Diodes	0
Module Dimensions	64.17" x 41.02" x 1.38" (1630 mm x 1042 mm x 35 mm)
Module Area	18.28 ft <sup>2</sup> (1.70 m <sup>2</sup> )
Module Weight	62.6 lbs (28.4 kg)
Front Glass	.24" (6mm) Tempered Glass
Backsheet	Black, White, and Clear
LSX Rail Assembly Options	3-4 Portrait Module Lengths (Black Powdercoated Finish) 3 Landscape Module Lengths (Black Powdercoated Finish)
Output Cables	12 Awg. (690 mm) PV Wire with MC4 Connectors
Static Load	50 PSF (2400 Pa) Portrait
Hail	Maximum Diameter 1" (25 mm) 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 listed



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