

4200 watts SYSTEM



SEVENTY HIGH EFFICIENCY POLYCRYSTALLINE BUILDING INTEGRATED PHOTOVOLTAIC SOLAR SHINGLES



LUMA RESOURCES SOLAR SHINGLE (LRSS)

A solar roofing system designed for steep sloped applications, where the solar shingles are the roof. Custom flashing frames the system and transitions the solar shingles into other roofing products. Underneath the solar shingle there is space for air flow and wire harnessing.

SYSTEM INCLUDES

- | | |
|-------------------------------------------|-----------------------------------------------|
| ● 70 Solar Shingles with quick connectors | ● Easy grounding with ground wire & diagram |
| ● Inverter with online monitoring | ● Flashing; allows any other surrounding roof |
| ● Wire harness & electrical diagram | ● Transition box |

SPECIFICATIONS IN D.C. WATTS

Electrical Performance under Standard Test Conditions (STC)

● 70 LRSS in series: Number of strings	2 of 35	● Max System Voltage	DC 600 V
● Maximum Power (Pmax)	4200 W	● Temperature Coefficient of Voc	-0.34% / °C
● Maximum Power Voltage (Vmp)	282.8 V	● Temperature Coefficient of Isc	0.09% / °C
● Maximum Power Current (Imp)	15.1 A	● Power Temperature Coefficient	-0.37% / °C
● Open Circuit Voltage (Voc)	343 V	● Power Tolerance Range	+/- 3%
● Short Circuit Current (Isc)	16.22 A	● Series Fuse (ADC)	15 amp

AC INVERTER

PV powered inverter featuring PVP 3500

● Continuous Output Power (watts)	3500	● Integrated AC and DC PV System Disconnect
● CEC Weighted Efficiency:	95.50%	● 10 Year Residential Nationwide Warranty
● DC Operating Range:	200V-450V	● Endurance tested to 20 year operating life
● Maximum DC Input Voltage (VOC)	500	● PVM1010 Data Monitoring Module
● Weight with Disconnect	121 lbs	54.89 kg

FLASHING KIT 42514 or 42710

Flashing kit 42514 (5 LRSS wide 14 up the slope)

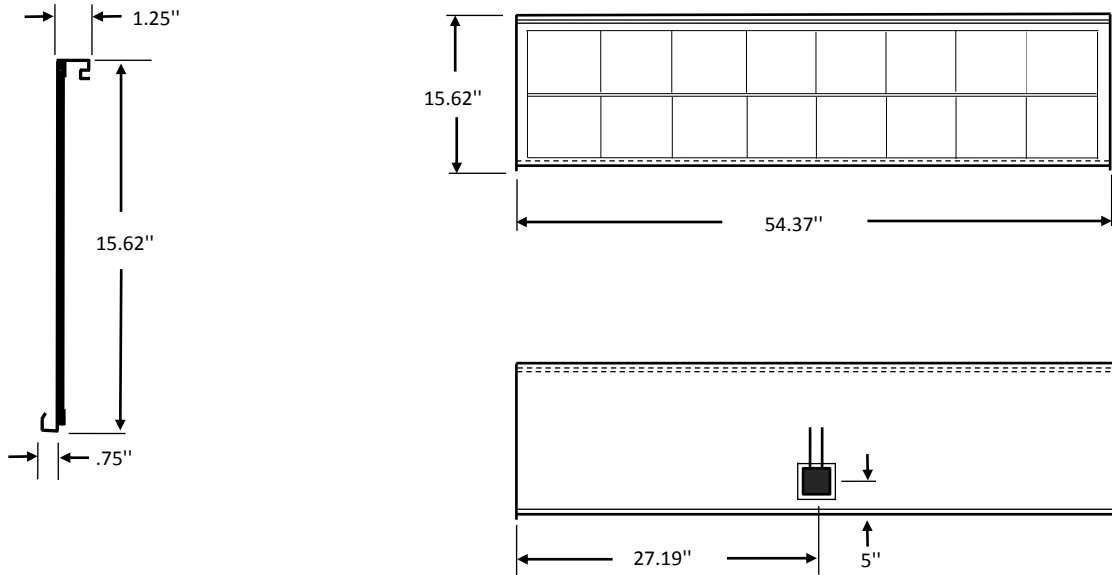
● Width	23.75 ft.	7.2 m
● Height	18.8 ft.	5.7 m
● Area	446.5 ft. ²	41 m ²
● Weight with 70 LRSS	1815 lbs	823 kg

Flashing kit 42710 (7 LRSS wide 10 up the slope)

● Width	32.85 ft.	10.01 m
● Height	14 ft.	4.3 m
● Area	459.9 ft. ²	43.04 m ²
● Weight with 70 LRSS	1825 lbs	827 kg

PHYSICAL SPECIFICATIONS

LRSS



LIMITED WARRANTY

Product warranty

- 5 Year Limited warranty on materials and workmanship
- 25 Year on Power Output

Manufacturer's power warranty:

- Coverage on power degradation greater than 90% for 10 years.
- Coverage on power degradation greater than 80% for 25 years.

The warranties do not cover damages due to:

- Malfunctions or service failures caused by obvious abuse or misuse.
- Power failure surges, lightning, fire, flooding, etc...
- Action of third parties and other events or accidents beyond reasonable control and not occurring under normal operating conditions.

EXAMPLE OF A 4200 DC WATT KIT



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