

3600 Watts SYSTEM



SIXTY 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

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|---|---|
| ● 60 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)

● 60 LRSS in series: Number of strings	2 of 30	● Max System Voltage	DC 600 V
● Maximum Power (Pmax)	3600 W	● Temperature Coefficient of Voc	-0.34% / °C
● Maximum Power Voltage (Vmp)	242.2 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)	294 V	● Power Tolerance Range	+/- 3%
● Short Circuit Current (Isc)	16.22 A	● Series Fuse (ADC)	15 amp

AC INVERTER

PV powered inverter featuring PVP 3000

● Continuous Output Power (watts)	3000	● Integrated AC and DC PV System Disconnect
● CEC Weighted Efficiency:	93.5%	● 10 Year Residential Nationwide Warranty
● DC Operating Range:	170V-450V	● Endurance tested to 20 year operating life
● Maximum DC Input Voltage (VOC)	500	● PVM1010 Data Monitoring Module
● Weight with Disconnect	107 lbs	48.53 kg

FLASHING KIT 36512 or 36610

Flashing kit 36512 (5 LRSS wide 12 up the slope)

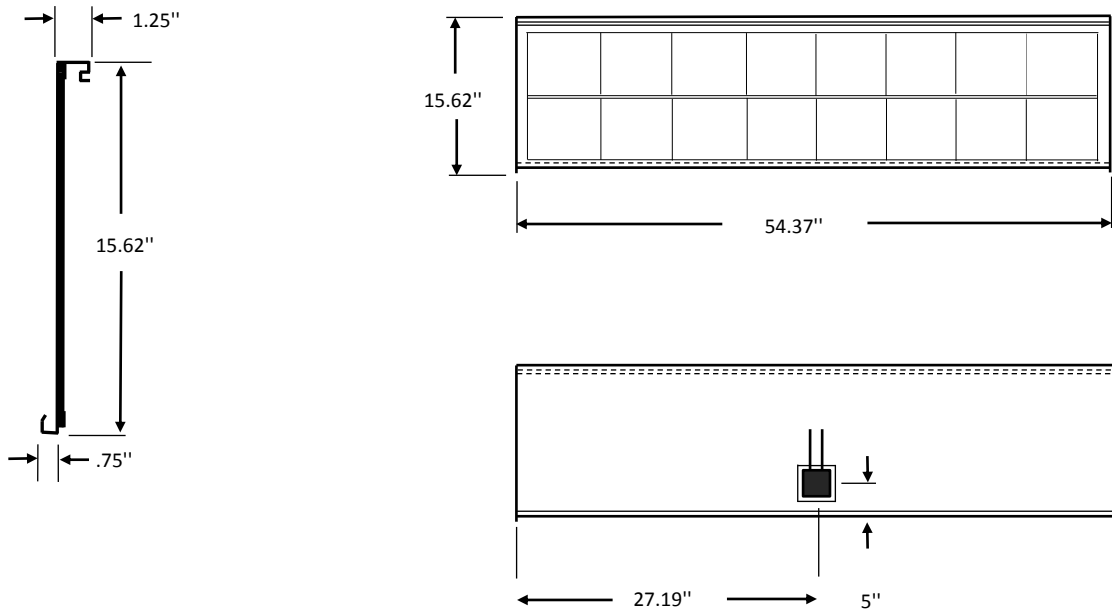
● Width	23.75	7.24 m
● Height	16.4 ft.	5 m
● Area	389.5 ft. ²	36.2 m ²
● Weight with 70 LRSS	1550 lbs	703 kg

Flashing kit 36610 (6 LRSS wide 10 up the slope)

● Width	28.3	8.63 m
● Height	14 ft.	4.27 m
● Area	396.2 ft. ²	36.8 m ²
● Weight with 70 LRSS	1564 lbs	709 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 3600 DC WATT KIT



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