5760 Watts SYSTEM



NINTY SIX 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 virtually all other roofing products. Underneath the solar shingle there is space for air flow and wire harnessing.

SYSTEM INCLUDES

96 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)

 96 LRSS in series: Number of strings 	2 of 48	Max System Voltage	DC 600 V
Maximum Power (Pmax)	5760 W	Temperature Coefficient of Voc	-0.34% / ℃
Maximum Power Voltage (Vmp)	387.84 V	Temperature Coefficient of Isc	0.09% / ℃
Maximum Power Current (Imp)	15.1 A	Power Temperature Coefficient	-0.37% / ℃
Open Circuit Voltage (Voc)	470.4 V	Power Tolerance Range	+/ - 3%
Short Circuit Current (Isc)	16.22 A	Series Fuse (ADC)	15 amp

AC INVERTER

Sunny Bo	y Inverter featuring	5000US
----------	----------------------	--------

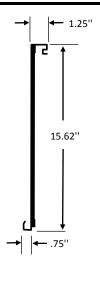
Continuous Output Power (watts)	5000	AC and DC PV System Disconnect		
CEC Weighted Efficiency:	95.5%	• Warranty 10 years with an opt for 15 years or 20 years		
MPP voltage range	250V-480V	Display: text line / graphcic		
DC nominal range	310 V	• Weight with Disconnect 151 lbs 67.5 kg		
Maximum DC Input Voltage (VOC)	600			

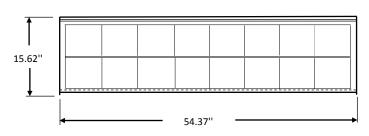
FLASHING KIT 57812 or 57616

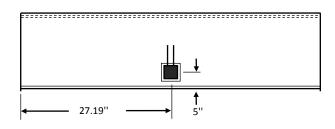
Flashing kit 57812 (8 LRSS wide 12 up the slope)		Flashing kit 57616 (6 LRSS wide 16 up the slope)			
Width	37.4	11.4 m	Width	28.3 ft.	8.63 m
● Height	16.4	5 m	Height	21.8 ft.	6.64 m
● Area	613 ft. ²	57 m ²	Area	600 ft. ²	57.30 m ²
Weight with 96 LRSS	2410 lbs	1093 kg	Weight with 96 LRSS	2413 lbs	1094 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 degredation greater than 90% for 10 years.
- Coverage on power degredation 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 5760 DC WATT KIT



LUMA Resources,LLC.,

2691 Leach Rd. Rochester Hills, MI. 48309, U.S.A. Phone: +1 888 733 5862. Fax: +1 248 852 7122

www.lumaresources.com