

TerraWatt Power™

“We Make Solar Power Truly Powerful”

Contact Information

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World-Class, Leading Scientific Minds

Backed by a team with the expertise, intelligence and drive that received award-winning support from major government agencies and respected private sector companies, TerraWatt Power is changing the way we view solar power.

Why the ecoJoule® 2500 Inverter?

Industry Leading Power and Productivity

SAVE MONEY AND ENERGY: With the ecoJoule inverter you always get the most productivity out of your solar panels.

BEST VALUE: The ecoJoule inverter always provides the most power for every dollar spent on solar energy. This inverter lets your entire solar power system achieve its true potential.



Shade Happens...

NO SUN NO PROBLEM:

Unlike competitors, the ecoJoule works in partial and systematic shade.

RELIABILITY YOU CAN TRUST:

The ecoJoule can run independently off grid without a battery pack, reducing power outages for homeowners.

Cutting-Edge Solar Power Design

EASE OF INSTALLATION: The ecoJoule inverter was created with the installer in mind. Every detail is designed to make installation and usage as easy and straightforward as possible.

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Inverter Specifications:

<u>Parameter</u>	<u>ecoJoule® 2500 Value</u>
Output Power:	2.5 kW
Output AC Voltage (Utility):	240V (RMS) single phase
Output AC Voltage (Critical Load):	240 V (RMS) single phase 120 V split phase with autotransformer
Output AC Current:	10.5 A (RMS)
Output Frequency Range:	60 Hz +/- 1%
Output Sine Wave Form:	Pure sine wave
Input DC Voltage Range (Operation):	47 to 105V (Stand-Alone Mode)
Input MPP Panel Voltage Range:	60 V to 100 V (Grid-Interactive Mode)
Maximum Input DC Voltage:	130 V
Maximum Input DC Current:	45 A
Warranty:	10 years
Operating Temperature Range:	-4 °F to 122 °F (-20 °C to 50 °C)
Enclosure:	NEMA 3R (IP22)
Certifications:	UL 1741, CE (pending)
Other Standards:	IEEE 1547, FCC
Peak Efficiency:	92.5%
Cooling:	Automated thermal management system
Total Harmonic Distortion:	<3 % (at full power)
Size (W x H x D):	17 3/8" x 25 3/4" x 5 3/4" (44.1 cm x 65.4 cm x 14.6 cm)
Weight:	42.5 lb (19.3 kg)
LCD Display:	Standard
Ground Fault Protection:	Standard
Surge Protection (AC Side):	Standard
Surge Protection (DC Side):	Standard
Expected Product Lifetime:	> 20 years
Ground Fault Fuse:	Littelfuse Series 313P 1 Amp 250 Volt

** Specifications subject to change without notice*