

Enecsys Enables OPTIMAL SOLAR SOLUTIONS

intelligent reliable power

Ontario Content

Enecsys Micro inverters

SMI-S240W-60-UL-CSA



Maximized Energy Harvest

Improved Safety

Increased Lifetime & Reliability

Enhanced Monitoring Capability

Simplified PV Array Design & Installation

Enecsys develops, manufactures and markets world leading, highly reliable grid-connected solar micro inverters and monitoring systems that offer an outstanding value proposition for solar PV systems.

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Enecsys

Micro inverters

SMI - 240W - 60 - UL - CSA



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Technical specifications

SMI - S240W - 60-UL -CSA

Input Data (DC)

60 Cell Module

Nominal Input Power	240W
Recommended PV Power (STC)	260W
Maximum DC Voltage	43V
Minimum DC Voltage	20V
MPPT Voltage Range	21V - 35V
Maximum Input Current	12.0A

Output Data (AC)

Maximum Output Power	240W
Nominal Output Voltage / Range	240V / 211V - 264V
Nominal Output Frequency / Range	60Hz / 59.3 - 60.5
Power Factor	> 0.95
Total Harmonic Distortion	< 5%
Maximum Units Per Branch	13

Efficiency

CEC Efficiency	93.0% ¹
Peak Efficiency	94.0% ¹
Maximum Night Power Consumption	< 30mW

Mechanical Data

Operating Temperature Range	-40°C to +85°C
Enclosure Rating	NEMA 6
Dimensions (L x H x W)	262mm x 160mm x 35mm
Weight	1.8 Kg
Cooling	Natural Convection

Features & Compliance

Safety Class Compliance	UL 1741, CSA-C22.2N.107.1-01
EMC (Emission & Immunity) Compliance	FCC Part 15 Class B
Grid Connection Compliance ²	IEEE 1547.1
Communication	Zigbee IEEE 802.15.4
Connector	MC4 (optional MC3, Radox)
Warranty	20 Years

¹ Efficiency maintained over full temperature range from -40°C to +85°C.

² In accordance with the Enecsys installation guidelines (please refer to the Enecsys Installation Manual).

All technical specifications contained within this document are subject to change without prior notice.

