

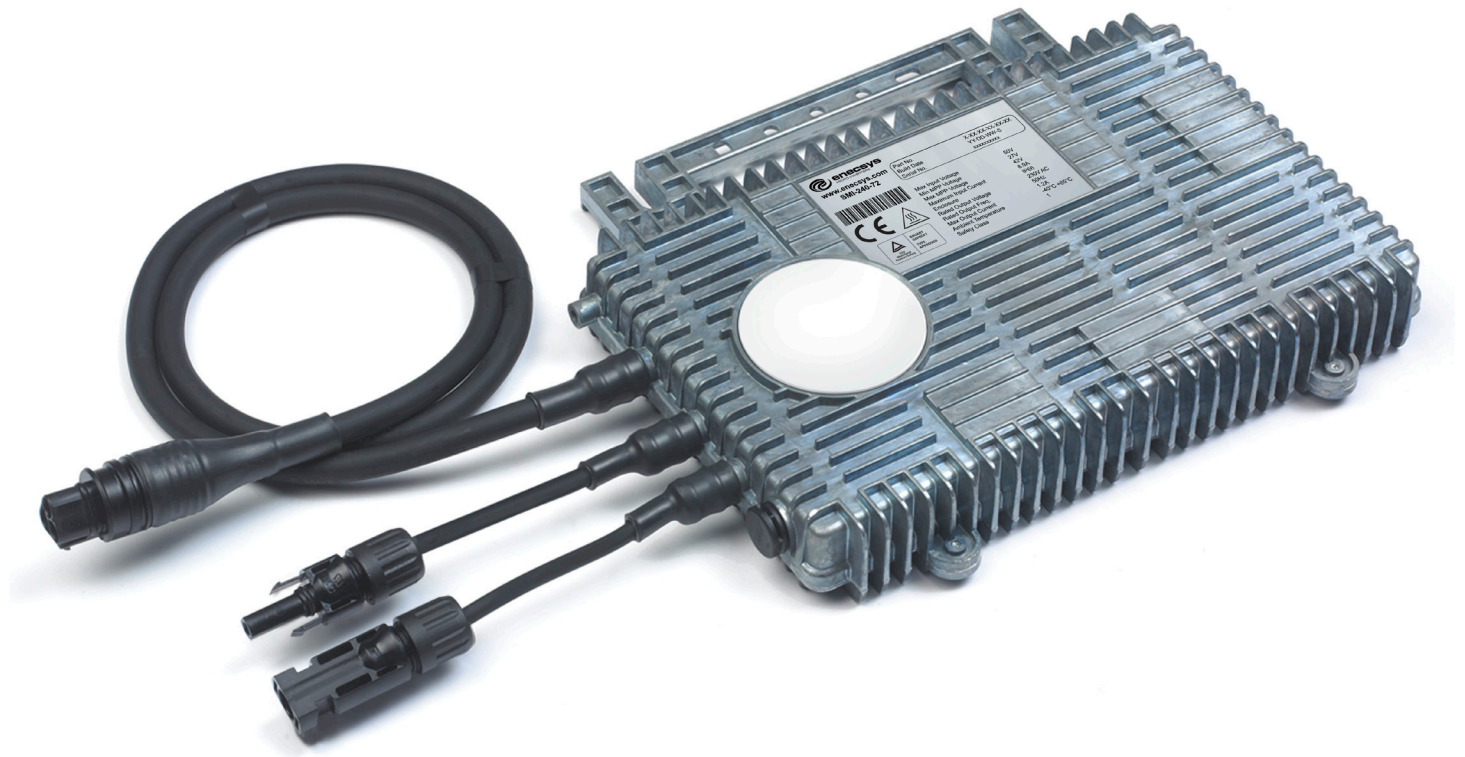
Enecsys Enables OPTIMAL SOLAR SOLUTIONS

intelligent reliable power



Enecsys Micro-Inverters

SMI-S240W-60-UL
SMI-S240W-72-UL



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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SMI-S240W-60-UL
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Technical specifications	SMI-S240W-60-UL	SMI-S240W-72-UL
Input Data (DC)	60 Cell Module	72 Cell Module
Nominal Input Power	240W	240W
Recommended PV Power (STC)	260W	260W
Maximum DC Voltage	44V	50V
Minimum DC Voltage	20V	27V
MPPT Voltage Range	21V - 35V	27V - 45V
Maximum Input Current	12.0A	8.9A
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	13
Efficiency		
CEC Efficiency	92.0% 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		
Compliance	UL	
Safety Class Compliance	UL 1741	
EMC (Emission & Immunity) Compliance	FCC Part 15 Class B	
Grid Connection Compliance ²	IEEE 1547.1	
Communication	Wireless IEEE 802.15.4	
Warranty	20 Years	

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

DS-S2-60-72-030611-UL

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.