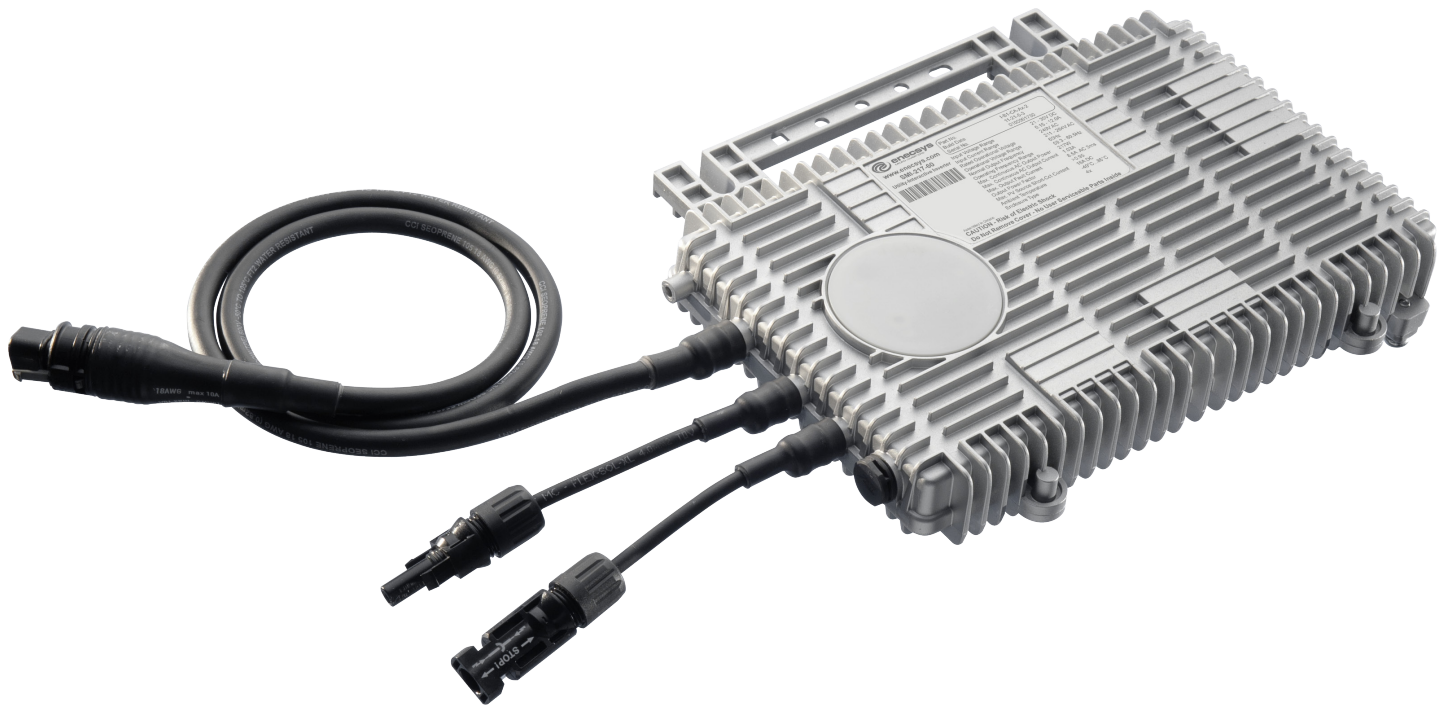




## Enecsys Micro Inverters

SMI-S217W-60



**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.

**Enecsys Ltd**

Harston Mill, Royston Rd  
Cambridge, CB22 7GG, UK  
Tel. +44 1223 792101  
Fax.+44 1223 792103  
uk-sales@enecsys.com  
info@enecsys.com | www.enecsys.com

**Enecsys Europe GmbH**

Louisenstraße 65  
61348 Bad Homburg, Deutschland  
Tel. +49 6172 8552430  
Fax.+49 6172 8552440  
europe-sales@enecsys.com

**Enecsys LLC**

275 Shoreline Drive, Suite 200  
Redwood Shores, CA 94065, USA  
Tel. +1 855-ENECSYS (Toll Free)  
Tel. +1 650-730-5700  
northamerica-sales@enecsys.com

**Enecsys Taiwan**

9F, No.8, Ln. 321, Yangguang St  
Neihu District, Taipei City 114  
Taiwan (R.O.C.)  
Tel. +886-2-2627-6118  
taiwan-sales@enecsys.com



### Technical Specification

### SMI-S217W-60

#### Input Data (DC)

Nominal PV Power	240W
Recommended Maximum PV Power (STC)	260W
Maximum PV Voltage	44V
Operating PV Voltage Range	20V - 44V
MPPT Voltage Range	23V - 35V
Min/Max Start-up Voltage	20V / 40.5V
Maximum PV Current	12A
Max PV Source Short-circuit Current	16A

#### Output Data (AC)

Maximum Power	217W
Nominal Voltage/Range	240V / 211V - 264V
Nominal Current	0.9A
Nominal Frequency/Range	60Hz / 59.3Hz - 60.5Hz
Power Factor	> 0.95
Total Harmonic Distortion	< 5%
Maximum Units Per 16A Branch System	13 (single phase)
Maximum Fault Current	8.5A AC 3ms

#### Efficiency

CEC Efficiency	93.5%*1
Peak Efficiency	94.8%
Maximum Night Power Consumption	< 30mW

#### Mechanical Data

Ambient Temperature Range	-40°C to +85°C
Operating Temperature Range	-40°C to +100°C
Enclosure Rating	UL 50 Type 4x
Dimensions (LxHxW)	262mm x 160mm x 35mm*2
Weight	1.8kg
Cooling	Natural Convection

#### Features & Compliance

Safety Class Compliance	UL1741, CSA-C22.2.1071-01
EMC (Emission & Immunity) Compliance	FCC Part 15 Class B
Grid Connection Compliance	IEEE 1547.1*3
Communication	Zigbee IEEE 802.15.4
Connector	MC4
PV Compatibility	Compatible with most 60 cell modules
Warranty	20 Years (at full ambient temperature range)
Assembled	Ontario, Canada
Technology	Thin film capacitors
Isolation	Galvanic
Application	Single inverter / residential and commercial

\*1 - Efficiency maintained over full ambient temperature range from -40°C to +85°C and at nominal output power

\*2 - Without the mounting bracket

\*3 - 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