

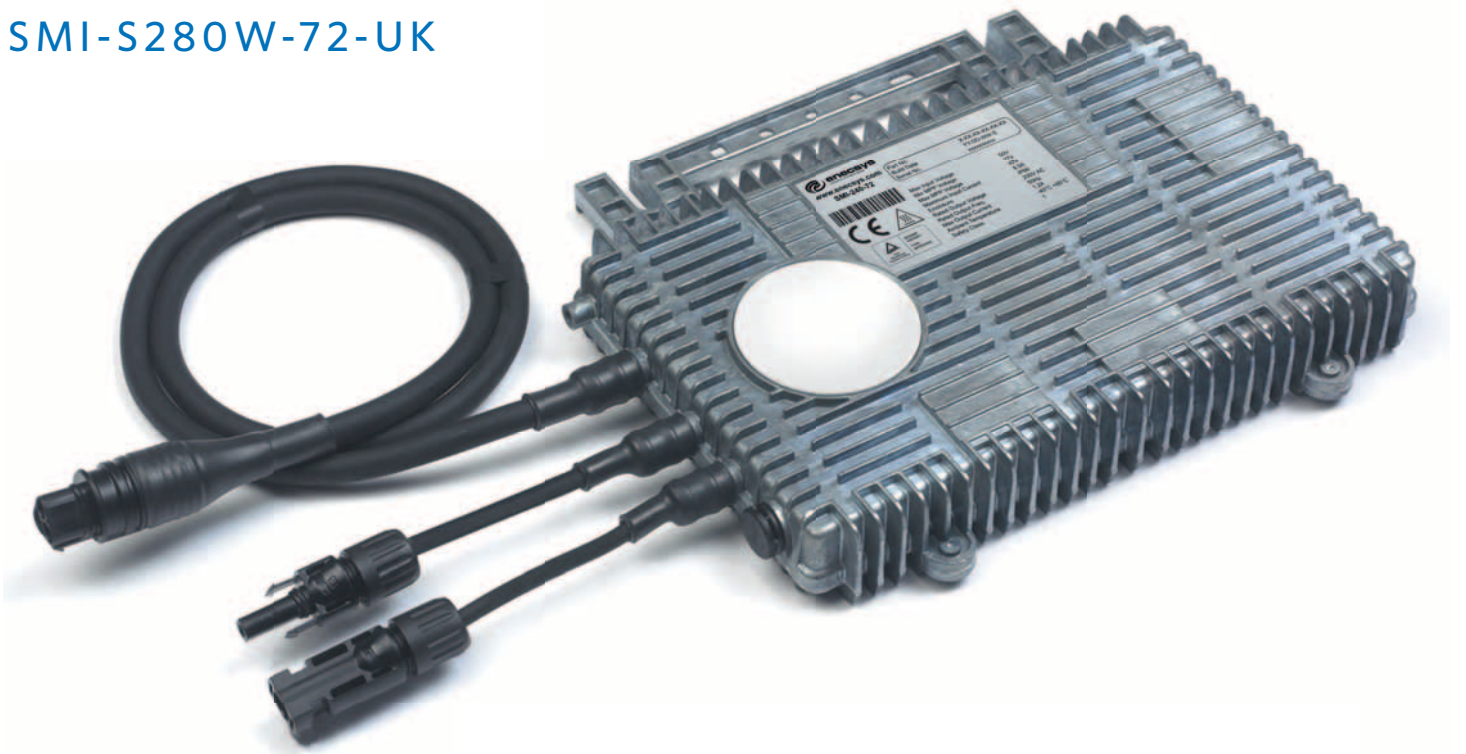
Enecsys Enables
OPTIMAL
SOLAR
SOLUTIONS

intelligent reliable power



Enecsys Micro Inverters

SMI-S200W-72-UK
SMI-S240W-72-UK
SMI-S280W-72-UK



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 (0)1223 792101
Fax. +44 (0)1223 792103

Enecsys Europe GmbH

Louisenstraße 65
61348 Bad Homburg, Deutschland
Tel. +49 (0)6172 8552430
Fax. +49 (0)6172 8552440

Enecsys LLC

275 Shoreline Drive, Suite 200
Redwood Shores, CA 94065, USA
Tel. +1 855-ENECSYS (Toll Free)
Tel. +1 650-598-9366

info@enecsys.com | www.enecsys.com



SMI-S200W-72-UK
 SMI-S240W-72-UK
 SMI-S280W-72-UK

intelligent reliable power



Technical specifications	SMI-S200W-72-UK	SMI-S240W-72-UK	SMI-S280W-72-UK
Input Data (DC)			
Nominal Input Power	200W	240W	280W
Recommended PV Power (STC)	220W	260W	300W
Maximum DC Voltage	48V	48V	54V
Minimum DC Voltage		27V	
MPPT Voltage Range		29V - 42V	
Maximum Input Current	7.4A	8.9A	10.4A
Output Data (AC)			
Maximum Output Power	200W	240W	280W
Nominal Output Voltage / Range		230V / 207V - 264V	
Nominal Output Frequency / Range		50Hz / 47.5 - 50.5	
Power Factor		> 0.95	
Total Harmonic Distortion		< 5%	
Maximum Units Per Branch	15	13	11
Efficiency			
Euro Efficiency	92.0% ¹	92.0% ¹	92.5% ¹
Peak Efficiency		94.0% ¹	
Maximum Night Power Consumption		< 30mW	
Mechanical Data			
Operating Temperature Range		-40°C to +85°C	
Enclosure Rating		IP66	
Dimensions (L x H x W)		262mm x 160mm x 35mm	
Weight		1.8kg	
Cooling		Natural Convection	
Features & Compliance			
Compliance		CE	
Safety Class Compliance		prEN 62109-1	
EMC (Emission & Immunity) Compliance		EN61000-6-3, EN61000-6-1	
Grid Connection Compliance ²		G83/ 1-1	
Communication		Wireless IEEE 802.15.4	
Warranty		20 Years	

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

DS-S2-72-180511-UK

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.