

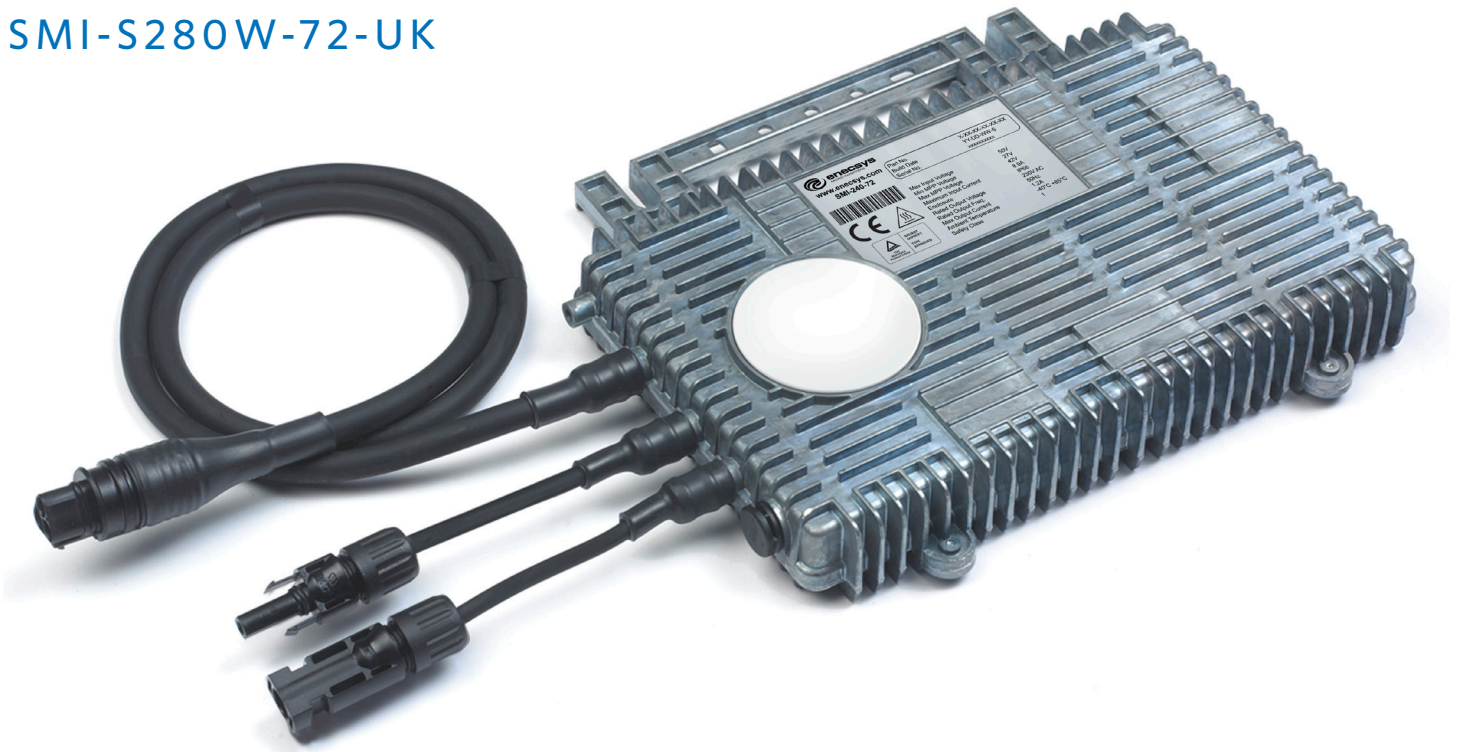
Enecsys Enables  
OPTIMAL  
SOLAR  
SOLUTIONS

intelligent reliable power



## Enecsys Micro-Inverters

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



**Maximized Energy Harvest**

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**Improved Safety**

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**Increased Lifetime & Reliability**

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**Enhanced Monitoring Capability**

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**Simplified PV Array Design & Installation**

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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-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
<b>Input Data (DC)</b>			
Nominal Input Power	200W	240W	280W
Recommended PV Power (STC)	220W	260W	300W
Maximum DC Voltage	50V	50V	54V
Minimum DC Voltage		27V	
MPPT Voltage Range		27V - 45V	
Maximum Input Current	7.4A	8.9A	10.4A
<b>Output Data (AC)</b>			
Maximum Output Power	205W	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	16	13	10
<b>Efficiency</b>			
Euro Efficiency		92.0% <sup>1</sup>	
Peak Efficiency		94.0% <sup>1</sup>	
Maximum Night Power Consumption		< 30mW	
<b>Mechanical Data</b>			
Operating Temperature Range		-40°C to +85°C	
Enclosure Rating		IP66	
Dimensions (L x H x W)		262mm x 160mm x 35mm	
Weight		1.8 Kg	
Cooling		Natural Convection	
<b>Features &amp; Compliance</b>			
Compliance		CE	
Safety Class Compliance		prEN 62109-1	
EMC (Emission & Immunity) Compliance		EN61000-6-3, EN61000-6-1	
Grid Connection Compliance <sup>2</sup>		G83/ 1-1	
Communication		Wireless IEEE 802.15.4	
Warranty		20 Years	

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

DS-S2-72-01-UK

<sup>2</sup> 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.