



Enecsys Micro Inverters

SMI-S200W-72

SMI-S240W-72



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-S200W-72, 240W-72

intelligent reliable power



Technical Specification	SMI-S200W-72-(see "ordering information" for region code)	SMI-S240W-72-(see "ordering information" for region code)
Input Data (DC)		
Nominal Input Power	200W	240W
Recommended Input Power (STC)	220W	260W
Maximum DC Voltage	54V	54V
Minimum DC Voltage	27V	27V
MPPT Voltage Range	30V - 42V	30V - 42V
Maximum Input Current	7.4A	8.9A
Output Data (AC)		
Maximum Output Power (AC)	185W	225W
Nominal AC Output Current	0.8A	0.98A
Nominal Output Voltage	230V	230V
Nominal Output Frequency	50Hz	50Hz
Power Factor	>0.95	> 0.95
Total Harmonic Distortion	< 5%	< 5%
Efficiency		
Euro Efficiency	91.0%*1	92.0%*1
Peak Efficiency	94.0%	94.0%
Maximum Night Power Consumption	< 30mW	< 30mW
Mechanical Data		
Operating Temperature Range	-40°C to +85°C	
Enclosure Rating	IP66	
Dimensions (LxHxW)	262mm x 160mm x 35mm*2	
Weight	1.8kg	
Cooling	Natural Convection	
Features & Compliance		
Safety Class Compliance	CE, pr EN 62109-1	CE, pr EN 62109-1
EMC (Emission & Immunity) Compliance	EN61000-6-3, EN61000-6-1	EN61000-6-3, EN61000-6-1
Grid Connection Compliance	G83/ 1-1, VDE 01 26-1, IEC 61727, IEC 62116*3	G83/ 1-1, VDE 01 26-1 & 4105, IEC 61727, IEC 62116*3
Communication	Zigbee IEEE 802.15.4	Zigbee IEEE 802.15.4
Connector	MC4	MC4
PV Compatibility	Compatible with most 72 cell modules	Compatible with most 72 cell modules
Warranty	20 Years (at full ambient temperature range)	20 Years (at full ambient temperature range)
Technology	Thin film capacitors	Thin film capacitors
Isolation	Galvanic	Galvanic

Ordering Information	
Region code	Region
-DE	Germany
-FR	France
-IT	Italy
-UK	United Kingdom

*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