

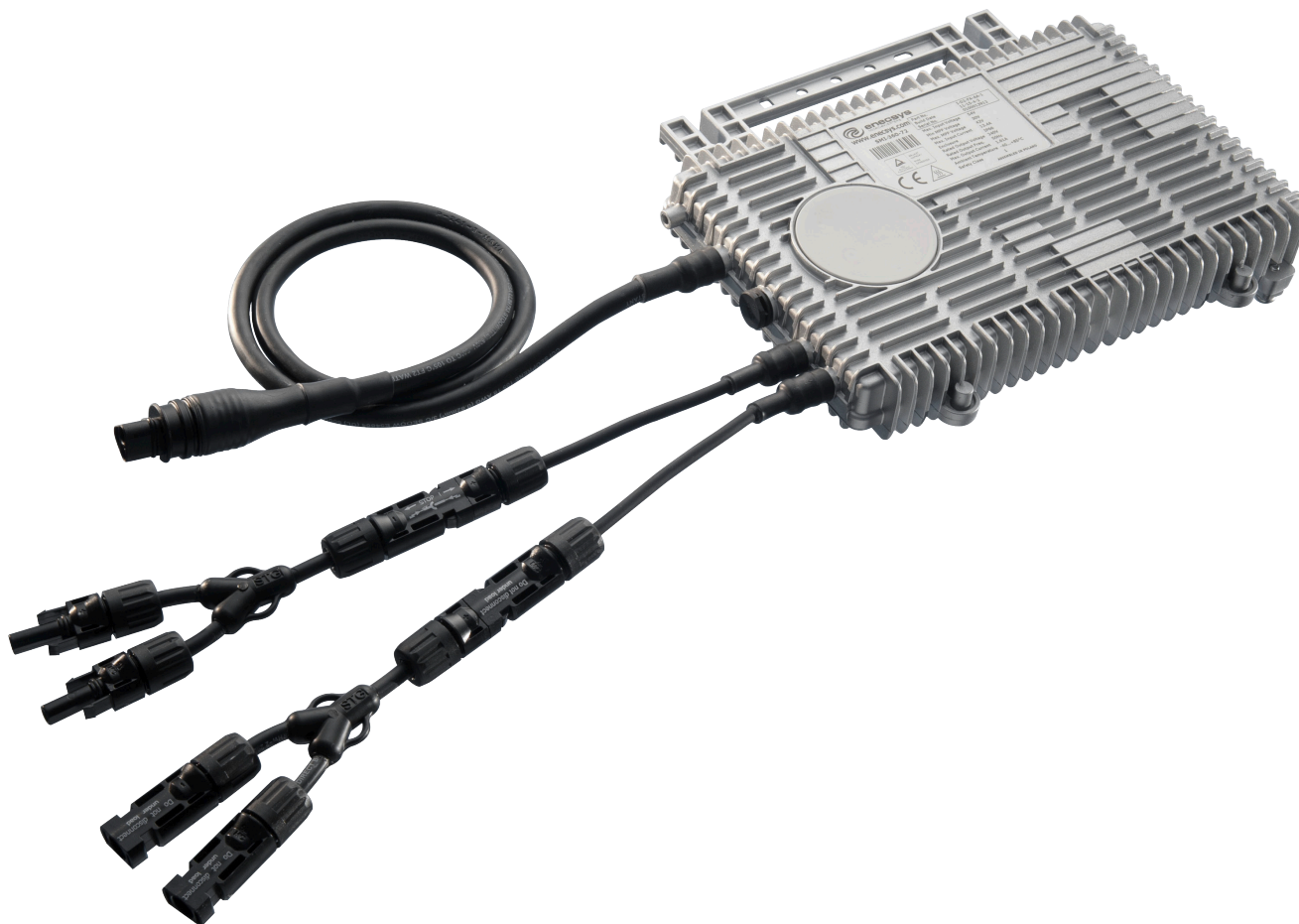
Enecsys Enables
OPTIMAL
SOLAR
SOLUTIONS

intelligent reliable power



Enecsys Micro Inverters

SMI-D360W-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.



Technical Specification

SMI-D360W-72-(see "ordering information" for region code)

Input Data (DC)

Nominal Input Power	360W
Recommended Input Power (STC)	380W
Maximum DC Voltage	54V
Minimum DC Voltage	27V
MPPT Voltage Range	30V - 42V
Min/Max Start-up Voltage	27V / 51V
Maximum Input Current	13.4A
Maximum Input Short-circuit Current	16A

Output Data (AC)

Maximum AC Output Power	340W
Nominal AC Output Current	1.48A
Nominal Output Voltage	230V
Nominal Frequency	50Hz
Power Factor	> 0.95
Total Harmonic Distortion	< 5%
Maximum Fault Current	8.5A AC 3ms

Efficiency

Euro Efficiency	93.5%*1
Peak Efficiency	95.4%
Maximum Night Power Consumption	< 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
EMC (Emission & Immunity) Compliance	EN61000-6-3, EN61000-6-1
Grid Connection Compliance	G83/ 1-1*3, VDE 01 26-1, IEC 61727, IEC 62116
Communication	Zigbee IEEE 802.15.4
Connector	MC4
PV Compatibility	Compatible with most 72 cell modules
Warranty	20 Years (at full ambient temperature range)
Technology	Thin film capacitors
Isolation	Galvanic

*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