



Enecsys Rack Mount Micro Inverters

240-60-MP
300-60-MP



Maximized Harvest

- Delivers micro inverter industry-leading peak efficiency.
- Lessens the impact of shading and debris to the array.
- Maximum Power Point Tracking at each module maximizes array output.

Simplified PV Array Design & Installation

- Field configurable for major regions of the world.
- Menu-driven monitoring guides installers through the set-up process.
- Drag-and-drop functionality simplifies and accelerates installation time.

Enhanced Monitoring Capability

- Real-time monitoring for each module.
- Total energy generated and historical pattern of energy generation.
- Mobile access capability.

Increased Lifetime & Reliability

- Extensive temperature range to address global environments.
- IP 67 connections to maintain system integrity.

Improved Safety

- Installer safety improved by eliminating high-voltage DC.
- Reduced fire risk by eliminating arc failures from DC wiring.

The Enecsys Micro Inverter platform delivers a flexible solution to installers and system designers, addressing the unique requirements of each installation. Installation times are reduced by the plug and play cabling system and menu-driven communications gateway for system configuration throughout all regions of the world.

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Enecsys Rack Mount Micro Inverters

240-60-MP

300-60-MP

intelligent reliable power

Technical Specification	24060MP-520M4R200		30060MP-520M4R200	
Input Data (DC)				
Nominal Input Power	250W		315W	
Recommended Input Power (STC)	270W		335W	
Maximum DC Voltage	44.0V		44.0V	
Minimum DC Voltage	21.0V		21.0V	
MPPT Voltage Range	24.0V - 35.0V		24.0V - 35.0V	
Min/Max Start-up Voltage	22.0V / 42.5V		22.0V / 42.5V	
Maximum Input Current	10.4A		13.1A	
Maximum Input Short Circuit Current	16.0A		16.0A	
Output Data (AC)				
	50 Hz		60 Hz	
Maximum AC Output Power	240W		300W	
Nominal Output Voltage	230V	240V	230V	240V
Nominal AC Output Current	1.04A	1.0A	1.30A	1.25A
Nominal Frequency	50Hz ¹	60Hz ¹	50Hz ¹	60Hz ¹
Power Factor	> 0.95	> 0.95	> 0.95	> 0.95
Total Harmonic Distortion	< 5%	< 5%	< 5%	< 5%
Maximum Fault Current	9.3A AC 3ms	9.3A AC 3ms	9.3A AC 3ms	9.3A AC 3ms
Efficiency				
Peak Efficiency (Europe/N. America)	96.4% / 96.5%			
Weighted Efficiency (Euro/CEC)	95% / 96%			
Maximum Night Power Consumption	< 30mW			
Mechanical Data				
Ambient Temperature Range	-40°C to 85°C			
Enclosure Rating	NEMA Type 6			
Dimensions (LxWxH)	240mm x 155mm x 34mm ²			
Weight	1.65kg			
Features & Compliance				
Safety Class & EMC (Emission & Immunity) Compliance	CE, UL 1741, CSA-C22.2 NO.107.1-01, EN 61000-6-1, EN 61000-6-3, EN 62109-1, EN 62109-2, AS/NZS 3100, FCC Part 15 Class B			
Grid Connection Compliance	IEEE 1547.1 ³ , IEC 61727, IEC 62116, VDE 0126-1 ⁴ , VDE-AR-N 4105 ⁴ , AS 4777, G83/1, RD 1699/2011, CEI 0-21 ⁵			
Communication	ZigBee IEEE 802.15.4			
Connector	MC4 compatible			
PV Compatibility	Compatible with most 60 cell modules			
Warranty	25 Years (at full ambient temperature range)			

Notes

1. Extended frequency range available to serve local markets.
 2. Excluding bracket.
 3. In accordance with the Enecsys Installation and Operation Manual.
 4. Install with location-appropriate disconnect device, such as an ENS solution.
 5. PV systems less than or equal to 6kW. Use appropriate interface protection system and voltage-frequency control with power factor for 3kW to 6kW installations.
- All specifications subject to change without notice.