



Enecsys Rack Mount Micro Inverters MP Series



Maximized Energy 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

intelligent reliable power



Technical Specification	24060MP-520M4R200	26060MP-520M4R200	28060MP-520M4R200	30060MP-520M4R200
Input Data (DC)				
Nominal Input Power	250W	275W	295W	315W
Recommended Input Power (STC)	270W	295W	315W	335W
Maximum Input Current	10.4A	11.2A	12.3A	13.1A
Maximum DC Voltage	44.0V			
Minimum DC Voltage	20.0V			
MPPT Voltage Range	24.0V - 35.0V			
Min / Max Start-up Voltage	22.0V / 42.5V			
Maximum Input Short Circuit Current	16.0A			
Output Data (AC)				
Maximum AC Output Power	240W	260W	280W	300W
Nominal AC Output Current (50Hz / 60Hz)	1.04A / 1.0A	1.13A / 1.08A	1.22A / 1.17A	1.3A / 1.25A
Nominal Frequency	50Hz / 60Hz			
Nominal Output Voltage	230V / 240V			
Power Factor	> 0.95			
Total Harmonic Distortion	< 5%			
Maximum Fault Current	9.3A AC 3ms			
Efficiency				
Peak Efficiency (Euro / N. America)	96.4% / 96.5%			
Weighted Efficiency (Euro / CEC)	95% / 96% * ¹			
Maximum Night Power Consumption	< 30mW			
Mechanical Data				
Ambient Temperature Range	-40°C to 85°C			
Enclosure Rating	NEMA 6			
Dimensions (LxWxH)	240mm x 155mm x 34mm* ²			
Weight	1.65kg			
Features & Compliance				
Safety Class and EMC Compliance	UL1741, CSA-C22.2.107.1-01, FCC Part 15 Class B, EN 61000-6-1, EN 61000-6-3, EN 62109-1, EN 62109-2, AS/NZS 3100			
Grid Connection Compliance	IEEE 1547.1* ³ , IEC 61727, IEC 62116, VDE 0126-1* ⁴ , VDE-AR-N 4105* ⁵ , CEI 0-21* ⁶ , AS 4777, G83/1, RD 1699 / 2011			
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 Guide.
4. Install with location-appropriate disconnect device, such as an ENS solution.
5. Permitted for power-generating systems up to and including 3.68 kVA. Use in conjunction with compliant voltage-frequency solution.
6. Use compliant voltage-frequency control for PV systems ≤ 3kW, systems 3kW to 6kW use compliant voltage-frequency control and power factor device to meet CEI 0-21 requirements.

All products shall be used in accordance with Enecsys Installation and Operation Guide.
 Technical specifications contained within this document are subject to change without prior notice.