

# MPM 500 Y



Front Panel



Lifting Eye



70 lt Fuel Tank



Stage V

We offer now what others will do tomorrow.



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**GenSet**  
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**ENGINE DRIVEN WELDER/GENERATOR DELIVERS 500A OF DC WELD OUTPUT**  
**SINGLE-PHASE AUXILIARY POWER AVAILABLE**  
**DIESEL ENGINE 1500/1800 RPM**  
**FUEL TANK 70 LT**

<p><b>Standard Features</b></p>	<p><b>Welding Processes: SMAW (stick) /CAG</b></p> <ul style="list-style-type: none"> <li>• Auto engine protection shutdown system with warning lights in case of: <ul style="list-style-type: none"> <li>- battery charger failure</li> <li>- low fuel level</li> <li>- low oil pressure</li> <li>- high coolant temperature</li> </ul> </li> <li>• 1 x 32 A 230V single-phase EEC</li> <li>• 1 x 32 A 110V single-phase EEC</li> <li>• 1 x 16 A 110V single-phase EEC</li> <li>• Power output protection</li> </ul> <ul style="list-style-type: none"> <li>• 12V battery</li> <li>• Fuel level gauge</li> <li>• Single-phase voltmeter</li> <li>• Engine hourmeter</li> <li>• 50/60 Hz selector</li> <li>• Emergency STOP button</li> <li>• Remote control socket</li> <li>• Arc Force Control switch</li> <li>• Carbon Arc Gouging (CAG) socket</li> <li>• Central lifting eye</li> <li>• Fork-lift pockets</li> </ul>
<p><b>Options</b> available as factory options</p>	<ul style="list-style-type: none"> <li>• Built-in polarity reversing switch</li> <li>• Spark arrester muffler</li> <li>• Earth Leakage Circuit Breaker (ELCB) for 240/230V single-phase outlet</li> <li>• Earth Leakage Circuit Breaker (ELCB) for 120/115V single-phase outlet</li> <li>• MIG welding</li> <li>• TIG welding</li> <li>• Low cooling level stop device</li> </ul>
<p><b>Accessories on request</b></p>	<ul style="list-style-type: none"> <li>• Two-wheels site tow undercarriage (GRT2W)</li> <li>• Four-wheels site tow undercarriage (GRT4W)</li> <li>• Remote control unit with 20 mt cable and plug</li> <li>• Welding cables Ø 50 mm<sup>2</sup> (20+15 mt) with accessories</li> <li>• Reverse polarity switch kit</li> </ul>
<p><b>Noise level</b></p>	<ul style="list-style-type: none"> <li>• Lwa 95 (70 dB a 7 mt)</li> </ul>
<p><b>DC welding 60Hz</b></p>	<ul style="list-style-type: none"> <li>• Duty Cycle @ 60%: 450 A - 38 V</li> <li>• Duty Cycle @ 100%: 400 A - 36 V</li> <li>• Stepless control (CC mode): 30 A - 500 A</li> <li>• Open Circuit Voltage: 70 V</li> <li>• Max welding rod: 8 mm</li> </ul>
<p><b>AC generator - 60Hz</b></p>	<ul style="list-style-type: none"> <li>• Type: asynchronous self-excited and self-protected</li> <li>• Single-phase power: 10 kVA - 240 V / 5 kVA - 120 V</li> <li>• Power Factor: cos φ 0,8</li> </ul>
<p><b>AC generator - 50Hz</b></p>	<ul style="list-style-type: none"> <li>• Type: asynchronous self-excited and self-protected</li> <li>• Single-phase power: 10 kVA - 230 V / 5 kVA - 115 V</li> <li>• Power Factor: cos φ 0,8</li> </ul>
<p><b>Diesel Engine 1500/1800 rpm</b></p>	<ul style="list-style-type: none"> <li>• Type: Yanmar 4TNV88 - 4 cyl. - 2190 cm<sup>3</sup></li> <li>• Stand by Power: 24,1 HP (18 kWm) 1500 rpm - 29,4 HP (21,6 kWm) 1800 rpm</li> <li>• Starting system: electric (12Vdc)</li> <li>• Cooling system: water</li> <li>• Fuel consumption @ 75%: 3,5 lt/h 1500 rpm - 4,7lt/h 1800 rpm</li> </ul>
<p><b>Other features</b></p>	<ul style="list-style-type: none"> <li>• Insulation Class: H</li> <li>• Ambient temperature: 40 °C (*)</li> <li>• Altitude: 1000 mt (*)</li> <li>• Mechanical Protection: IP 23</li> <li>• Fuel tank capacity: 70 lt</li> <li>• Dimensions (L x W x H): 1855 x 737 x 1119 mm</li> <li>• Weight: 895 kg</li> </ul>

(\*) - For altitude and temperature values higher than those listed above, please consult the manufacturer to verify the available power.  
 In line with our continued development, innovation and voice of customer program, we reserve the right to change data without notice.