



# MASTERWELD

## KM501W Expert-Synergic

The **KM501W Expert-Synergic** is a heavy-duty water-cooled inverter based synergic welding package for MIG/MAG and MMA (Stick) welding.

Built to withstand rugged use which makes it a **perfect solution for industrial environments**. Ideal for heavy industries using solid and flux-cored wires.

- Advanced multi process machine offering Synergic MIG, Manual MIG, Lift-TIG and MMA welding capabilities
- Excellent power output range (20 - 500 amps) with infinitely variable control - either manual or synergic
- High duty cycles (500 Amps @60% Duty Cycle, 400 Amps @100% Duty Cycle)
- Advanced synergic programmes for Carbon Steel, Stainless Steels, Aluminium
- Up to 35% power saving due to advance Eco-Weld Technology



## KM501W Expert-Synergic Technical Specifications

- Heavy-Duty European made 37mm 4 Wheel Drive Wire Feed Unit with Digital Encoder
- Fully synergic front panel with simple-to-use welding control
- Hot start and crater-fill welding control
- 2T & 4T Trigger Control
- Inching & Gas-Test Control

Mains Voltage (VAC)	400 ± %10
Ampere Range (A)	20-500
Duty Cycle (40oC)	%60: 500 A, 36.5 V
	%100: 400 A, 32 V
Maximum Input Power (kVA)	24.8
Open Circuit Voltage (VDC)	90
Height (mm)	452
Width (mm)	243
Length (mm)	701
Net Weight (kg)	121.5
Standard Accessories	3m Mains Power Cable (4 x 6 mm <sup>2</sup> )
	3m Chassis Cable (70 mm <sup>2</sup> )
	Extension Package (5m)
	Gas Regulator
	3m 500 Amp Torch

- High-speed inverter offering an extremely stable arc
- Smart-Cool Intelligent Fan Technology
- Thermal Overload Protection with advanced Error Code Functionality
- Wind Tunnel Design - all critical components fully protected from grinding dust and spatter
- Supplied with heavy-duty running gear and gas bottle rack
- 100% Generator Compatible

Your local distributor



**MASTERWELD™**

[www.masterweld.co.uk](http://www.masterweld.co.uk)