

EVO MIG 500 Synergic Separate

ORDER CODE **EM-500S**



NEW

The EVO MIG 500 Separate combines cutting-edge inverter technology with advanced ARM and DSP microprocessor control to deliver exceptional welding performance and an enhanced user experience. Built for durability and versatility, it supports synergic MIG/MAG, MMA, and smart DC Lift TIG processes, making it ideal for a wide range of applications in demanding environments. Its unique compartmentalized electrical design further boosts reliability.

Featuring full synergic control, the ClearVision display with hollow rotary shaft encoder is fitted to both the power source and separate wire feed unit which enables precise, effortless parameter adjustments with clear readouts in any lighting conditions. The separate package is complete with a tool box drawer for accessory storage and a custom low-profile trolley, designed to hold a full size gas cylinder, offering excellent mobility and convenience in the workshop or on-site.

A newly upgraded 4-roll wire feed motor with 37.45 mm rollers ensures smooth, trouble-free wire feeding, while program memory storage allows up to 10 jobs to be saved for each process. Auto-sleep mode ensures market leading energy efficiency while helping to extend the equipment lifespan.

KEY FEATURES

- Rugged, ergonomic design
- Advanced inverter technology with ARM and DSP digital microprocessor control
- Separate wire feed unit with ClearVision digital display and full parameter control
- ClearVision HD digital display with hollow rotary shaft encoders for easy and precise parameter adjustment
- 2T/4T/Cycle and Spot trigger control
- Synergic/manual MIG/MAG, MMA & DC Lift-TIG capable
- Excellent welding characteristics with enhanced droplet transfer
- Crater fill setting
- On demand cooling and auto sleep mode ensures market leading energy efficiency with idle power consumption of less than 10W
- Key power electronic component protection
- Standard MIG, Push Pull or Spool Gun torch selection
- Enhanced dual drive wire feeder with 37.45mm rollers
- Program memory storage
- Welding Engineers Mode for default parameter selection
- IP23S protection class rating
- Flexible remote control solutions including wired, wireless and mobile app control
- USB Type-C port for software updates and device charging
- Generator friendly*

TECHNICAL DATA

Input voltage	AC 400V, 50/60 Hz	
No load voltage	78V	
MIG	I _{eff}	21.6A
	Rated input power	27kVA
	Current range	30-500A
	Rated duty cycle @ 40°C	40%
	Wire feed speed	2-24m/min
MMA	Wire spool size	D300
	I _{eff}	22.1A
	Rated input power	24.2kVA
	Current range	20-500A
	Rated duty cycle @ 40°C	40%
TIG	I _{eff}	17.2A
	Rated input power	18.9kVA
	Current range	20-500A
	Rated duty cycle @ 40°C	40%
Efficiency	>90%	
Power factor	0.94	
Idle state power	10W	
Protection class	IP23S	
Insulation class	H	
Dimensions LxWxH	1060 x 550 x 1290mm	
Weight	92Kg	
Recommended generator size*	36kVA	

STANDARD ACCESSORIES

Mig Torch (HC400-4E), 5m Interconnection Cable, 3m Earth Clamp, Separate WFU, Argon Regulator, Gas Hose, Trolley, Tool Box Drawer

OPTIONAL ACCESSORIES

Wireless Remote Control (HRC-02), Wired Remote Control (HRC-01), Mobile Bluetooth App Module (51009435), Spool On Gun, Push Pull Torch, 10m, 15m, 20m Interconnection Cable, Water Cooler (LC-60)

* Generator must have AVR