



# MASTERWELD

## HSP - High Speed Pulse

# Power Pulse 402/502 HSP

Power Pulse 402/502 is a Heavy Duty [400A 100% at 40°C] professional 3 phase inverter power source with separate wire feeder WF 104. WF 104 is a portable 4-roll drive wire feeder designed to withstand severe environmental conditions.

MIG/MAG available mods are: Manual, Synergic, Pulse Synergic and Double Pulse Synergic, MMA, MMA celulosic, Lift TIG DC and ARC AIR cutting and gouging processes are also included. Pulse Synergic and Double Pulse Synergic modes guarantee excellent bead appearance without spatters and deformations of aluminium, stainless steel and mild steel welding.

Power Pulse 402/502 HSP is ideal for applications in workshops, automotive and construction and high standards welding requirements. A wide range of MIG-MAG synergic programs facilitate the fast selection of precise welding parameters using any welding wires:

- MAT (wire type)
- (wire diameter)
- Gas (shielded gas type)

Welding parameters (wire speed, amps or material thickness)



## Features

- Modular concept allows multi-welding processes
- Cooling unit available
- Fan on demand and built in wind tunnel protects electronic devices from dust and saltiness and improves reliability.
- Up to 8mm diameter electrode welding is possible in MMA
- Excellent welding with celulosic electrodes
- Arc air gouging and cutting up to 8mm electrode
- Lift TIG DC ignition reduces tungsten inclusions
- 3T special allows both Hot Start and Crater Filler current setting, for optimal penetration at start and crater filler at bead's end
- Memory locations for welding process repeatability
- Push-Pull torch applicable for MIG aluminium welding



## Details

Input voltage	3x400Vac ± 15% @ 50-60Hz								
Amperage draw	32A								
Duty cycle	MIG-MAG			TIG			MMA		
% (40°C)	50%	60%	100%	50%	60%	100%	50%	60%	100%
Amps	500A	450A	400A	500A	450A	400A	500A	450A	400A
Amps - Min &Max	5A - 500A			5A - 500A			5A - 500A		
Open circuit voltage (OCV)	83V								
P <sub>1MAX</sub>	26kVA - 22kW								
IP	23S								
Dimensions	1100 x 500 x 1440mm								
Weight	132,0Kg								

Processes: MIG/MAG - TIG DC - MMA - ARC AIR

CE Directives: 2002/95/CE, 2004/108/CE, 2006/95/CE

CE Standards: EN 60974-1, EN 60974-10

### Power inverter inside

- Higher efficiency
- Lower energy demand

### MIG/MAG PULSE - DOUBLE PULSE

- High arc quality
- High welding quality

### HSP (High Speed Pulse)

- High Speed Pulse technology for thicker materials

Your local distributor



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