



AMIG-500P iPLUS is an advanced pulse MIG welding machine. It adopts a 60kHz high-speed inverter platform and ARM control core for precise droplet control and greatly improved penetration, weld formation, and arc stability. It also adopts an LCD control interface for abundant parameters and a direct interface. AMIG-500P iPLUS is a fully digital welding machine with robust functions.

Features and Benefits

- **LCD HMI:** 7" LCD touchscreen
- **High-frequency inverter:** 60kHz inverting frequency, finely managing droplet energy in real-time, concentrated arc energy, and high arc stiffness
- **Stable arc:** latest energy control solution, up to 45m pulse welding loop cable, stable welding with low current, non-broken arc
- **Precise current:** wider adaptive range of mixed gas, more precise consistency between electrode extension length and current
- **Easy arc striking:** freely switch between arc starting modes, high arc striking success rate
- **Advanced processes:** It equips pulse, twin pulse, fast pulse, deep penetration, and CV welding process modules as standard, low spatter, and other welding processes as optional. Customized developing process modules according to customer requirements are available.
- **Aluminum alloy welding expert:** strong oxidation film breakthrough ability of aluminum alloy welding, strong arc directivity, even metal transfer, fine and beautiful welds appearance
- **Stable wire feeding:** newly designed twin-closed-loop wire feeding control system cooperates with a large-torque permanent magnet motor to ensure precise and stable wire feeding
- **One-key operation:** save and recall 100 sets of parameters
- **Exclusive usage:** bound via IC card, exclusive usage for the nominated person, quality control, and quality traceability



Standard Equipments

- 1 Power source
- 1 Connected primary cable L=3m
- 1 Water cooling machine
- 1 Ground cable L=3m
- 1 Water-cooled (or Gas-cooled) torch L=3m
- 1 Wire feeder with Europe connection
- 1 Trolley
- 1 Wire feeder cable L=2m

Technical Specification

	AMIG500P iPLUS
Rated input voltage /frequency (V /Hz)	3 phase, AC380V±10%, 50 /60Hz
Rated input capacity (KVA)	25
Rated input current (A)	38
Range of welding current (A)	30~500
Range of welding voltage (V)	15.5~39
OCV (V)	76
Duty cycle (40°C)	100%@500A
Full-load efficiency (%)	≥87
Wire diameter (mm)	Φ1.0, Φ1.2, Φ1.4, Φ1.6
Gas flow (L /min)	15~20
Dimension (mm)	660*320*560
Weight (kg /lb)	55 /121.3
Insulation class	H
Protection class	IP23