



Name **Industrial Multi-process welder for ferrous metal welding**

Model **UP 500**  
Modes **Pulse MIG+MIG+MMA**  
Official name **Basic on quantity**

**Character of product:**

- Ø Ferrous metal high speed pulse MIG welder
- Ø Enhance 30% productivity and free spatter technology
- Ø DSP+ARM double CPU control ,full digital control of welding current and welding current is adjustable

- Ø Unipow's unique pulse frequency conversion adjusting, effectively solved contradiction of combining
  - Ø Unipow's unique pulse penetration control technology, excellent sheet plate welding performance
  - Ø One welder can synergic steel, low-alloy high strength steel and stainless steel
  - Ø Full digital control of welding current and welding current is adjustable during welding
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- Ø Up to 50m of welding cable between the power source and the wire feeder.

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### Note:

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### Description:

### Main Technical Parameter

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### Specification of welding machine

### UP-300

**UP400**

**UP-500**

**Rated input voltage (V)**

Three phase 400V, 50Hz

**Input voltage range (V)**

320V~420V

**Max input current (A)**

18.1

27.1

37.6

**Efficient input current (A)**

14

21

29.2

**Rated input capacity (KVA) (60%D.C)**

11.3

17

23.5

**Rated input capacity (KVA) (100%D.C)**

8.0

11.8

16.2

**Rated output capacity (KVA)**

**Output open-load voltage (V)**

**Duty cycle**

**Power factor COS**

**Efficiency**

>=85%

**Insulated class**

H

**Overall dimension (mm)**

630×297×591

**N.w(kg)**

44

47

51

**Working temperature**

-10 C | +40C

**Working humidity**

less than 50% or 90% in 20?

**Storage temperature**

-25 C | +55 C

**Protection class**

IP21S

**Parameter storage (set)**

30

**SMAW**

**Current (A)**

10-315

10-400

10-500

**Arc force**

0-10

**Hot current (A)**

10-315

10-400

10-500

**Hot time (s)**

0.01-1

GTAW

Current (A)

2-315

2-400

2-500

Current inc (A/s)

10-330

10-420

10-520

**Current dec (A/s)**

10-330

10-420

10-520

**Pilot current (A)**

2-40

**Crater current (A)**

2-250

2-400

2-500

**Hot current (A)**



2-500

**Base current (V)**

2-315

2-400

2-500

**Current inc (A/s)**

10-330

10-420

10-520

**Current dec (A/s)**

10-330

10-420

10-520

**Pilot current(A)**

2-40

**Crater current(a)**

2-250

**Pulse frequency(HZ)**

0.1-500

**Pulse ratio (%)**

1-99





15-315

15-400

15-500

Voltage (V)

10-48

Arc force

1-10

Crater current (A)

15-315

Crater voltage (V)

10-42



1-10

Crater current (A)

15-315

Crater voltage (V)

10-42

Close arc (ms)

50-150