

# AT-500

## Application

Industrial equipment manufacturing  
Aluminum processing 、 Sheet metal fabrication  
Pipe & tube fabrication 、 Shipbuilding industryt

## Features

Portable type for on-site use  
Inverter technology for energy-efficient  
Easy to set up and operate  
Built-in adjustable arc properties  
AC frequency adjustment for precision control penetration  
PLC control connection support  
0-10V analog interface available to control welding current  
3-stage switching pulse frequency  
2T welding function for up/down slope



## Specification

|                        |     |                    |                      |     |                                  |
|------------------------|-----|--------------------|----------------------|-----|----------------------------------|
| Input Power            | V   | 220 V , 1/3Φ       | Pre flow time        | Sec | 0.2~5                            |
|                        |     | 380 V , 3Φ         | Post flow time       | Sec | 2.0~20(±25%)                     |
| Input voltage range    | %   | ±15%               | Pulse current        | A   | 10~500                           |
| Input frequency        | HZ  | 50&60              | Pulse frequency      | HZ  | High: 1.3~500                    |
| Rated input capacity   | KVA | 23.35              |                      |     | Middle: 1.2~45                   |
|                        | KW  | 17.54              |                      |     | Low: 0.3~13                      |
| Rated output           | V   | TIG: 30            | Pulse Ratio Width    | %   | 1~99                             |
|                        |     | STICK: 36          | Duty cycle           | -   | 500A / 60%                       |
|                        | A   | TIG: 500~505       |                      |     | 387A / 100%                      |
|                        |     | STICK: 400         | Water cooler control | -   | ✓                                |
| Welding amperage range | A   | TIG: 10~505        | AC Balance           | %   | 20~50                            |
|                        |     | STICK: 10~400      | Gas check            | -   | ✓                                |
| Efficiency             | %   | 85                 | Crater control       | -   | Crater / Repeat/Spot /Special 2T |
| Open-circuit voltage   | Vdc | 70DC / -65AC       | Insulation class     | -   | H                                |
| Up slope               | Sec | 0.1(±20%)~10(±20%) | Protection class     | -   | IP21S                            |
| Down slope             | Sec | 0.1(±20%)~10(±20%) | Dimension (W*D*H)    | mm  | 300*735*670                      |
| Spot time              | Sec | 0.2~10             | Net Weight           | kg  | 74                               |

