

headu**x**

# i-Series

## Welding & Cutting Combo

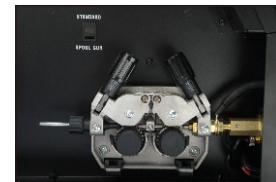
User-friendly LCD screen,  
Compact, lightweight and multi-functional.  
Perfect for versatile uses everywhere.



# iCMT 250 ACDC



Energy efficient



## Valued Features

### Unmatched Versatile Application

Combines welding and cutting functions into one compact case. Including MIG, Flux-cored, TIG AC, TIG DC, MMA and Non-HF Plasma CUT, making it a truly first ever all-in-one solution for diverse applications.

### Large LCD Screen

LCD Interface with user-friendly visual welding settings

### Robust and Reliable Wire Drive

Equipped with a stable and powerful 4-roller wire feeding system, ensures smooth and consistent MIG welding performance, even in the most demanding conditions.

### Ultra Light-weight and Portable

Designed for portability-only 16 kgs. The compact size allows you to take it anywhere, making it ideal for both workshop and on-site use.

### Non-HF Plasma Cutting Ability

With low electromagnetic interference and higher safety, cut up to 15 mm mild steel, delivering robust Plasma Cutting performance with clean and precise cuts every time.

### Advanced Synergic MIG Welding

The Synergic MIG welding feature simplifies setup by automatically recommending optimal welding parameters for each procedure, ensuring consistent, high-quality welds with minimal effort.

### Professional TIG AC/DC Pulse features

High Frequency ignition, DC Pulse, AC Balance Adjustment, and AC Frequency Adjustment, adapt to remote TIG foot pedal and torch control, it ensures precise adjustments and adaptability for superior TIG welding results.

### Memory Capability

Easily recall saved settings to streamline your workflow and get welding faster, enhancing productivity and efficiency.

## Function & Process

CUT, MIG, Flux-cored, AC TIG, DC TIG, MMA

## Applications

- Light Fabrication
- Repair and Maintenance
- Automotive Bodies
- Food and Beverage
- Aluminium Trailers
- Boiler tubes
- Pipe Construction
- Mechanical Contractors
- Agricultural Equipment
- Training Schools

## Specifications

### Model

### iCMT 250 ACDC

|                                    |                               |                       |                       |                      |                     |
|------------------------------------|-------------------------------|-----------------------|-----------------------|----------------------|---------------------|
| Input Voltage                      | 1Phase~AC 230 (±15%) /50-60Hz |                       |                       |                      |                     |
| Main Fuse(A)                       | 60                            |                       |                       |                      |                     |
| Process                            | MIG                           | AC TIG                | DC TIG                | MMA                  | CUT                 |
| Rated Input Power KVA              | 8.1                           | 6.1                   | 6.1                   | 7.1                  | 6.5                 |
| Rated output KVA                   | 4.8                           | 3.6                   | 3.6                   | 4.2                  | 3.8                 |
| No-load Voltage (V)                | 72                            | 72                    | 72                    | 72                   | 270                 |
| Output Current Range(A)            | 30~200                        | 10~200                | 10~200                | 10~160               | 20~40               |
| Output Voltage Range(V)            | 15.5~24                       | 10.4~18               | 10.4~18               | 20.4~26.4            | 88~96               |
| Duty Cycle I <sub>max</sub> (40°C) | 200A@25%<br>100A@100%         | 200A@30%<br>110A@100% | 200A@30%<br>110A@100% | 160A@35%<br>95A@100% | 40A@40%<br>25A@100% |
| Max Cutting Thickness              | ≤20mm                         |                       |                       |                      |                     |
| Rated Cutting Thickness            | ≤15mm                         |                       |                       |                      |                     |
| Wire Diameter (mm)                 | 0.6/0.8/0.9/1.0/1.2           |                       |                       |                      |                     |
| Efficiency                         | 85%                           |                       |                       |                      |                     |
| Power Factor                       | 0.7                           |                       |                       |                      |                     |
| Protection Iass                    | IP 21S                        |                       |                       |                      |                     |
| Insulation Class                   | F                             |                       |                       |                      |                     |
| Dimensions (L*W*H)                 | 550*200*390                   |                       |                       |                      |                     |
| Weight (Kg)                        | 16                            |                       |                       |                      |                     |

## Ordering Information

### Standard Fittings

### Headux Code

|                                                                                                                         |            |
|-------------------------------------------------------------------------------------------------------------------------|------------|
| 3m 25mm <sup>2</sup> Earth Lead                                                                                         | A80403-001 |
| 3m 25mm <sup>2</sup> Welding Lead                                                                                       | A80404-013 |
| 4m WP26 TIG Torch(included long back cup*1pcs/Alumina cup GR5 GR6 GR7*1pcs/Collet body Φ 2.4mm and Collet body Φ 3.2mm) | A13301-006 |
| 3m MB24 MIG Torch(included Spanner for MIG torches)                                                                     | A13303-089 |
| 4m PT40 Plasma Cutting Torch<br>(Included site wheel*1pcs/0.8mm Nozzle*2pcs/Electrode*2pcs)                             | A13302-016 |
| 3m Gas Hose                                                                                                             | A80407-005 |

## Options & Accessories

### Options & Accessories

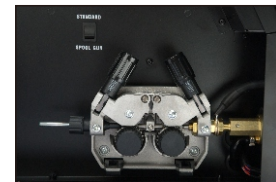
### Headux Code

|                              |            |
|------------------------------|------------|
| MB24 MIG Torch 4m            | A13303-076 |
| WP26 TIG Torch 8m            | A13301-031 |
| PT40 Plasma Cutting Torch 8m | A13302-017 |
| Spool Gun 4m                 | A13303-109 |
| Spool Gun 8m                 | A13303-110 |

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LCD Interface with user-friendly visual welding settings

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High Frequency ignition, DC Pulse, adapt to remote TIG foot pedal and torch control, it ensures precise adjustments and adaptability for superior TIG welding results.

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CUT, MIG, Flux-cored, DC TIG, MMA

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- Repair and Maintenance
- Automotive Bodies
- Food and Beverage
- Aluminium Trailers
- Boiler tubes
- Pipe Construction
- Mechanical Contractors
- Agricultural Equipment
- Training Schools

## Specifications

### Model

### iCMT 250

|                         |                               |           |           |          |
|-------------------------|-------------------------------|-----------|-----------|----------|
| Input Voltage           | 1Phase~AC 230 (±15%) /50-60Hz |           |           |          |
| Main Fuse(A)            | 60                            |           |           |          |
| Process                 | MIG                           | DC TIG    | MMA       | CUT      |
| Rated Input Power KVA   | 8.1                           | 6.1       | 7.1       | 6.5      |
| Rated output KVA        | 4.8                           | 3.6       | 4.2       | 3.8      |
| No-load Voltage (V)     | 72                            | 72        | 72        | 270      |
| Output Current Range(A) | 30~200                        | 10~200    | 10~160    | 20~40    |
| Output Voltage Range(V) | 15.5~24                       | 10.4~18   | 20.4~26.4 | 88~96    |
| Duty Cycle Imax (40°C)  | 200A@25%                      | 200A@30%  | 160A@35%  | 40A@40%  |
|                         | 100A@100%                     | 110A@100% | 95A@100%  | 25A@100% |
| Max Cutting Thickness   | ≤20mm                         |           |           |          |
| Rated Cutting Thickness | ≤15mm                         |           |           |          |
| Wire Diameter (mm)      | 0.6/0.8/0.9/1.0/1.2           |           |           |          |
| Efficiency              | 85%                           |           |           |          |
| Power Factor            | 0.7                           |           |           |          |
| Protection Iass         | IP 21S                        |           |           |          |
| Insulation Class        | F                             |           |           |          |
| Dimensions (L*W*H)      | 550*200*390                   |           |           |          |
| Weight (Kg)             | 16                            |           |           |          |

## Ordering Information

### Standard Fittings

### Headux Code

|                                                                                                                         |            |
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| 3m 25mm <sup>2</sup> Earth Lead                                                                                         | A80403-001 |
| 3m 25mm <sup>2</sup> Welding Lead                                                                                       | A80404-013 |
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| 4m PT40 Plasma Cutting Torch<br>(Included site wheel*1pcs/0.8mm Nozzle*2pcs/Electrode*2pcs)                             | A13302-016 |
| 3m Gas Hose                                                                                                             | A80407-005 |

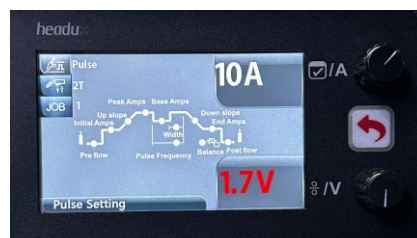
## Options & Accessories

### Options & Accessories

### Headux Code

|                              |            |
|------------------------------|------------|
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| WP26 TIG Torch 8m            | A13301-031 |
| PT40 Plasma Cutting Torch 8m | A13302-017 |
| Spool Gun 4m                 | A13303-109 |
| Spool Gun 8m                 | A13303-110 |

# ITS 250 ACDC



## Valued Features

- **Multiple Mode**  
MMA/LIFT TIG/HF TIG.
- **Protections**  
Equipped with temperature, voltage and current sensors for high protection.
- **Up/Down Slope**  
Selectable Up/Down Slope Time.
- **Pre/Post Flow**  
Selectable Pre/Post Slope Time.
- **Large LCD Screen**  
LCD interface with user-friendly visual welding settings
- **Welding production Traceability**  
Including the data: start time, average current, average voltage, arc time, welding mode etc.
- **High Efficient Pulse**  
Improve productivity when you use the double pulse process for welding thin plate thicknesses and sheet metal. This function accelerates welding speed and lowers heat input.

## Specifications

### Model

### iTS 250 ACDC

|                                      |                             |
|--------------------------------------|-----------------------------|
| Current range (MG)                   | 5-250 A                     |
| Mains voltage +/- 15%                | 3x 400 V                    |
| Fuse type C                          | 10 A                        |
| Mains current, effective             | 7.1 A 7.3 A                 |
| Mains current, max                   | 13.0 A 10.3 A               |
| Power, 100%                          | 4.9 kVa   5.0 kVa           |
| Power, max.                          | 9.0 kVa   7.1 kVa           |
| Open circuit voltage                 | 95 V                        |
| Open Circuit Power                   | 9 W 9 W                     |
| Efficiency                           | 87 % 81%                    |
| Power factor                         | 0.94 0.94                   |
| Duty cycle 100 %/40 °C (TIG)         | 180 A                       |
| Duty cycle max./40 °C (TIG)          | 250A/40%/20V 250 A/40%/20 V |
| Application class                    | CE/CCC                      |
| Protection class                     | IP 21                       |
| Dimensions(excl. trolley)(H x W x L) | 550*200*430                 |
| Weight (excl. trolley)               | ~22 kg                      |

We reserve the right to make changes.

## Ordering Information

### Standard fittings ( iTS 250 ACDC )

### Headux Code

|                                                        |            |
|--------------------------------------------------------|------------|
| 5m WP18 Water cooled torch(without current regulation) | A13301-050 |
| 3m 35mm² Earth lead(300A Earth clamp)                  | A80403-012 |
| 3m Gas Hose                                            | A80407-005 |

## Options & Accessories

### Options & Accessories

### Headux Code

|                                               |            |
|-----------------------------------------------|------------|
| Water cooler unit                             | A91001-312 |
| 3m 50mm² welding lead (200A Electrode Holder) | A80404-012 |
| HMT300 Trolley                                | A93018-100 |
| 3M wired foot pedal                           | A91001-903 |

# iCTS 250 ACDC



Energy efficient



## Valued Features

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### Large LCD Screen

LCD Interface with user-friendly visual welding settings

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With low electromagnetic interference and higher safety, cut up to 15 mm mild steel, delivering robust Plasma Cutting performance with clean and precise cuts every time.

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High Frequency ignition, DC Pulse, AC Balance Adjustment, and AC Frequency Adjustment, adapt to remote TIG foot pedal and torch control, it ensures precise adjustments and adaptability for superior TIG welding results.

### Memory Capability

Easily recall saved settings to streamline your workflow and get welding faster, enhancing productivity and efficiency.

## Function & Process

CUT, AC TIG, DC TIG, MMA

## Applications

- Light Fabrication
- Repair and Maintenance
- Automotive Bodies
- Food and Beverage
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- Boiler tubes
- Pipe Construction
- Mechanical Contractors
- Agricultural Equipment
- Training Schools

## Specifications

### Model

### ICTS 250 ACDC

|                         |                               |           |           |          |
|-------------------------|-------------------------------|-----------|-----------|----------|
| Input Voltage           | 1Phase~AC 230 (±15%) /50-60Hz |           |           |          |
| Main Fuse(A)            | 60                            |           |           |          |
| Process                 | AC TIG                        | DC TIG    | MMA       | CUT      |
| Rated Input Power KVA   | 6.1                           | 6.1       | 7.1       | 6.5      |
| Rated output KVA        | 3.6                           | 3.6       | 4.2       | 3.8      |
| No-load Voltage (V)     | 72                            | 72        | 72        | 270      |
| Output Current Range(A) | 10~200                        | 10~200    | 10~160    | 20~40    |
| Output Voltage Range(V) | 10.4~18                       | 10.4~18   | 20.4~26.4 | 88~96    |
| Duty Cycle Imax (40°C)  | 200A@30%                      | 200A@30%  | 160A@35%  | 40A@40%  |
|                         | 110A@100%                     | 110A@100% | 95A@100%  | 25A@100% |
| Max Cutting Thickness   | ≤20mm                         |           |           |          |
| Rated Cutting Thickness | ≤15mm                         |           |           |          |
| Efficiency              | 85%                           |           |           |          |
| Power Factor            | 0.7                           |           |           |          |
| Protection Iass         | IP 21S                        |           |           |          |
| Insulation Class        | F                             |           |           |          |
| Dimensions (L*W*H)      | 550*200*390                   |           |           |          |
| Weight (Kg)             | 16                            |           |           |          |

## Ordering Information

### Standard Fittings

### Headux Code

|                                                                                                                         |            |
|-------------------------------------------------------------------------------------------------------------------------|------------|
| 3m 25mm <sup>2</sup> Earth Lead                                                                                         | A80403-001 |
| 3m 25mm <sup>2</sup> Welding Lead                                                                                       | A80404-013 |
| 4m WP26 TIG Torch(included long back cup*1pcs/Alumina cup GR5 GR6 GR7*1pcs/Collet body Φ 2.4mm and Collet body Φ 3.2mm) | A13301-006 |
| 4m PT40 Plasma Cutting Torch<br>(Included site wheel*1pcs/0.8mm Nozzle*2pcs/Electrode*2pcs)                             | A13302-016 |
| 3m Gas Hose                                                                                                             | A80407-005 |

## Options & Accessories

### Options & Accessories

### Headux Code

|                              |            |
|------------------------------|------------|
| Wp26 TIG Torch 8m            | A13301-031 |
| PT40 Plasma Cutting Torch 8m | A13302-017 |

# ICTS 250



Energy efficient



## Valued Features

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LCD Interface with user-friendly visual welding settings

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## Function & Process

CUT, DC TIG, MMA

## Applications

- Light Fabrication
- Repair and Maintenance
- Automotive Bodies
- Food and Beverage
- Aluminium Trailers
- Boiler tubes
- Pipe Construction
- Mechanical Contractors
- Agricultural Equipment
- Training Schools

## Specifications

### Model

### iCTS 250

|                         |                               |           |          |
|-------------------------|-------------------------------|-----------|----------|
| Input Voltage           | 1Phase~AC 230 (±15%) /50-60Hz |           |          |
| Main Fuse(A)            | 60                            |           |          |
| Process                 | DC TIG                        | MMA       | CUT      |
| Rated Input Power KVA   | 6.1                           | 7.1       | 6.5      |
| Rated output KVA        | 3.6                           | 4.2       | 3.8      |
| No-load Voltage (V)     | 72                            | 72        | 270      |
| Output Current Range(A) | 10~200                        | 10~160    | 20~40    |
| Output Voltage Range(V) | 10.4~18                       | 20.4~26.4 | 88~96    |
| Duty Cycle Imax (40°C)  | 200A@30%                      | 160A@35%  | 40A@40%  |
|                         | 110A@100%                     | 95A@100%  | 25A@100% |
| Max Cutting Thickness   | ≤20mm                         |           |          |
| Rated Cutting Thickness | ≤15mm                         |           |          |
| Efficiency              | 85%                           |           |          |
| Power Factor            | 0.7                           |           |          |
| Protection Iass         | IP 21S                        |           |          |
| Insulation Class        | F                             |           |          |
| Dimensions (L*W*H)      | 550*200*390                   |           |          |
| Weight (Kg)             | 16                            |           |          |

## Ordering Information

### Standard Fittings

### Headux Code

|                                                                                                                         |            |
|-------------------------------------------------------------------------------------------------------------------------|------------|
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| 3m Gas Hose                                                                                                             | A80407-005 |

## Options & Accessories

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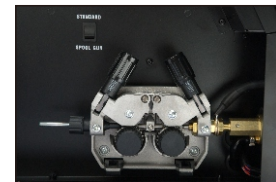
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Energy efficient



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LCD Interface with user-friendly visual welding settings

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- Boiler tubes
- Pipe Construction
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- Agricultural Equipment
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## Specifications

### Model

### iMTS 250 ACDC

|                         |                               |                       |                       |                      |
|-------------------------|-------------------------------|-----------------------|-----------------------|----------------------|
| Input Voltage           | 1Phase~AC 230 (±15%) /50-60Hz |                       |                       |                      |
| Main Fuse(A)            | 60                            |                       |                       |                      |
| Process                 | MIG                           | AC TIG                | DC TIG                | MMA                  |
| Rated Input Power KVA   | 8.1                           | 6.1                   | 6.1                   | 7.1                  |
| Rated output KVA        | 4.8                           | 3.6                   | 3.6                   | 4.2                  |
| No-load Voltage (V)     | 72                            | 72                    | 72                    | 72                   |
| Output Current Range(A) | 30~200                        | 10~200                | 10~200                | 10~160               |
| Output Voltage Range(V) | 15.5~24                       | 10.4~18               | 10.4~18               | 20.4~26.4            |
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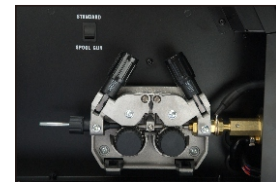
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| Main Fuse(A)                       | 60                            |                       |                      |
| Process                            | MIG                           | DC TIG                | MMA                  |
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| Output Current Range(A)            | 30~200                        | 10~200                | 10~160               |
| Output Voltage Range(V)            | 15.5~24                       | 10.4~18               | 20.4~26.4            |
| Duty Cycle I <sub>max</sub> (40°C) | 200A@25%<br>100A@100%         | 200A@30%<br>110A@100% | 160A@35%<br>95A@100% |
| Wire Diameter (mm)                 | 0.6/0.8/0.9/1.0/1.2           |                       |                      |
| Efficiency                         | 85%                           |                       |                      |
| Power Factor                       | 0.7                           |                       |                      |
| Protection class                   | IP 21S                        |                       |                      |
| Insulation Class                   | F                             |                       |                      |
| Dimensions (L*W*H)                 | 550*200*390                   |                       |                      |
| Weight (Kg)                        | 16                            |                       |                      |

## Ordering Information

### Standard Fittings

### Headux Code

|                                                                                                                            |            |
|----------------------------------------------------------------------------------------------------------------------------|------------|
| 3m 25mm <sup>2</sup> Earth Lead                                                                                            | A80403-001 |
| 3m 25mm <sup>2</sup> Welding Lead                                                                                          | A80404-013 |
| 4m WP26 TIG Torch(included long back cup*1pcs/Alumina cup GR5 GR6<br>GR7*1pcs/Collet body Φ 2.4mm and Collet body Φ 3.2mm) | A13301-006 |
| 3m MB24 MIG Torch(included Spanner for MIG torches)                                                                        | A13303-089 |
| 3m Gas Hose                                                                                                                | A80407-005 |

## Options & Accessories

### Options & Accessories

### Headux Code

|                   |            |
|-------------------|------------|
| MB24 MIG Torch 4m | A13303-076 |
| WP26 TIG Torch 8m | A13301-031 |
| Spool Gun 4m      | A13303-109 |
| Spool Gun 8m      | A13303-110 |



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