# PS-40I

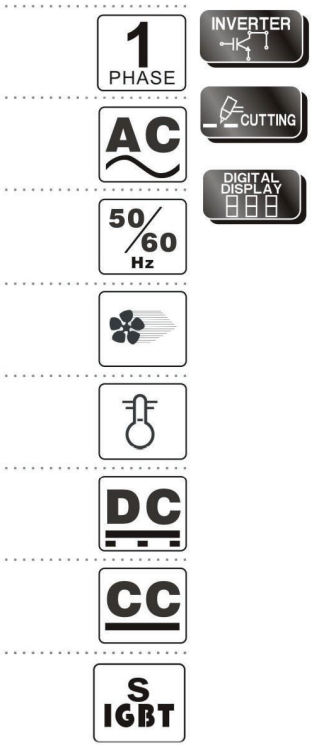
**IGBT Inverter Plasma Cutting Machine**

## Technical characteristics:

- Use powerful IGBT switches and advanced inverter control technology.
- The products belong to a high technology inverter control technology.
- Use PWM control technology and Constant Curreny (CC) output control, welding current can be exactly controlled.
- Air plasma arc cutting process method. Special design of the circuit and structure of these cutting power sources.
- Excellent arc characteristics. Strong ability of the anti-fluctuating of power supply voltage.
- High cutting quality, small deformation after cutting.
- Minimizing, lightness, it can be moved easily,and energy savings up to 30%.
- With auto protection functions of over current and over-heat.
- The thin, medium and heavy plate material can be cut.
- Be able to cut all kinds of metal for example: carbon steel,stainless steel,aluminum alloy,etc.

## With complete accessories:

Plasma Cutting Torch, earth clamp & cutting cable, brush/hammer, protective mask.







| | RATED SUPPLY VOLTAGE | SUPPLY FREQUENCY | RATED INPUT CAPACITY | RATED SUPPLY CURRENT | NO-LOAD VOLTAGE | CUTTING CURRENT RANGE | RATED CUTTING CURRENT | RATED CUTTING VOLTAGE | RATED DUTY CYCLE | AIR PRESSURE | EFFICIENCY | POWER FACTOR | CUTTING THICKNESS | AIR FLOW | DEGREES OF PROTECTION | CLASS OF INSULATION | NET WEIGHT | MACHINE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TECHNICAL CHARACTERISTICS** | V | Hz | KVA | A | V | A | A | V | % | bar | % | Cosφ | mm | L/min | IP | H | kg | mm |
| **PS-40I** | 1-240V | 50/60 | 30 | 30 | 256 | 22-40 | 40 | 96 | 80 | 4-6 | 80 | 0.73 | 0.5-12 | 140-230 | IP21 | H | 12.5 | 465 L<br>275 W<br>465 H |

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# PS-60I

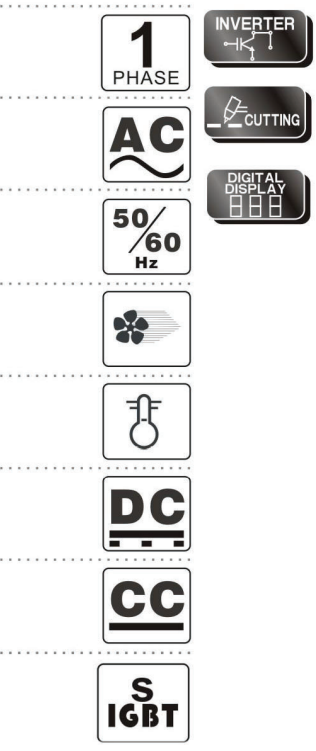
**IGBT Inverter Plasma Cutting Machine**

## Technical characteristics:

- Use powerful IGBT switches and advanced inverter control technology.
- The products belong to a high technology inverter control technology.
- Use PWM control technology and Constant Curreny (CC) output control, welding current can be exactly controlled.
- Air plasma arc cutting process method. Special design of the circuit and structure of these cutting power sources.
- Excellent arc characteristics. Strong ability of the anti-fluctuating of power supply voltage.
- High cutting quality, small deformation after cutting.
- Minimizing, lightness, it can be moved easily,and energy savings up to 30%.
- With auto protection functions of over current and over-heat.
- The thin, medium and heavy plate material can be cut.
- Be able to cut all kinds of metal for example: carbon steel,stainless steel,aluminum alloy,etc.

## With complete accessories:

Plasma Cutting Torch, earth clamp & cutting cable, brush/hammer, protective mask.







| | RATED SUPPLY VOLTAGE | SUPPLY FREQUENCY | RATED INPUT CAPACITY | RATED SUPPLY CURRENT | NO-LOAD VOLTAGE | CUTTING CURRENT RANGE | RATED CUTTING CURRENT | RATED CUTTING VOLTAGE | RATED DUTY CYCLE | AIR PRESSURE | EFFICIENCY | POWER FACTOR | CUTTING THICKNESS | AIR FLOW | DEGREES OF PROTECTION | CLASS OF INSULATION | NET WEIGHT | MACHINE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TECHNICAL CHARACTERISTICS** | V | Hz | KVA | A | V | A | A | V | % | bar | % | Cosφ | mm | L/min | IP | H | kg | mm |
| **PS-60I** | 1-240V | 50/60 | 30 | 41 | 265 | 20-60 | 60 | 100 | 60 | 4-6 | 80 | 0.73 | 0.5-18 | 140-230 | IP21 | H | 20.43 | 320 L<br>515 W<br>395 H |

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# PS-70I

**IGBT Inverter Plasma Cutting Machine**

## Technical characteristics:

- Use powerful IGBT switches and advanced inverter control technology.
- The products belong to a high technology inverter control technology.
- Use PWM control technology and Constant Curreny (CC) output control, welding current can be exactly controlled.
- Air plasma arc cutting process method. Special design of the circuit and structure of these cutting power sources.
- Excellent arc characteristics. Strong ability of the anti-fluctuating of power supply voltage.
- High cutting quality, small deformation after cutting.
- Minimizing, lightness, it can be moved easily,and energy savings up to 30%.
- With auto protection functions of over current and over-heat.
- The thin, medium and heavy plate material can be cut.
- Be able to cut all kinds of metal for example: carbon steel,stainless steel,aluminum alloy,etc.

## With complete accessories:

Plasma Cutting Torch, earth clamp & cutting cable, brush/hammer, protective mask.

3 PHASE

INVERTER

AC

CUTTING

DIGITAL DISPLAY

50/60 Hz

DC

CC

S IGBT


MMA WELDING

TIG WELDING

MIG MAG WELDING

PLASMA CUTTING

| | RATED SUPPLY VOLTAGE | SUPPLY FREQUENCY | RATED INPUT CAPACITY | RATED SUPPLY CURRENT | NO-LOAD VOLTAGE | CUTTING CURRENT RANGE | RATED CUTTING CURRENT | RATED CUTTING VOLTAGE | RATED DUTY CYCLE | AIR PRESSURE | EFFICIENCY | POWER FACTOR | CUTTING THICKNESS | AIR FLOW | DEGREES OF PROTECTION | CLASS OF INSULATION | NET WEIGHT | MACHINE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TECHNICAL CHARACTERISTICS** | V | Hz | KVA | A | V | A | A | V | % | bar | % | Cosφ | mm | L/min | IP | H | kg | mm |
| **PS-70I** | 3-415V | 50/60 | 30 | 13 | 310 | 20-70 | 70 | 104 | 60 | 4.0-5.0 | 85 | 0.93 | 0.5-18 | 140-230 | IP21 | F | 20.43 | 325 L<br>515 W<br>400 H |

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# PS-100I

**IGBT Inverter Plasma Cutting Machine**

## Technical characteristics:

- Use powerful IGBT switches and advanced inverter control technology.
- The products belong to a high technology inverter control technology.
- Use PWM control technology and Constant Curreny (CC) output control, welding current can be exactly controlled.
- Air plasma arc cutting process method. Special design of the circuit and structure of these cutting power sources.
- Excellent arc characteristics. Strong ability of the anti-fluctuating of power supply voltage.
- High cutting quality, small deformation after cutting.
- Minimizing, lightness, it can be moved easily,and energy savings up to 30%.
- With auto protection functions of over current and over-heat.
- The thin, medium and heavy plate material can be cut.
- Be able to cut all kinds of metal for example: carbon steel,stainless steel,aluminum alloy,etc.

## With complete accessories:

Plasma Cutting Torch, earth clamp & cutting cable, brush/hammer, protective mask.

3 PHASE

INVERTER

AC

CUTTING

DIGITAL DISPLAY

50/60 Hz

DC

CC

M IGBT


MMA WELDING

TIG WELDING

MIG MAG WELDING

PLASMA CUTTING

| | RATED SUPPLY VOLTAGE | SUPPLY FREQUENCY | RATED INPUT CAPACITY | RATED SUPPLY CURRENT | NO-LOAD VOLTAGE | CUTTING CURRENT RANGE | RATED CUTTING CURRENT | RATED CUTTING VOLTAGE | RATED DUTY CYCLE | AIR PRESSURE | EFFICIENCY | POWER FACTOR | CUTTING THICKNESS | AIR FLOW | DEGREES OF PROTECTION | CLASS OF INSULATION | NET WEIGHT | MACHINE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TECHNICAL CHARACTERISTICS** | V | Hz | KVA | A | V | A | A | V | % | bar | % | Cosφ | mm | L/min | IP | H | kg | mm |
| **PS-100I** | 3-415V | 50/60 | 30 | 24 | 300 | 20-100 | 100 | 120 | 60 | 4.0-6.0 | 85 | 0.93 | 0.1-35 | 140-230 | IP21S | H | 36.5 | 670 L<br>380 W<br>665 H |

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# PS-160I

**IGBT Inverter Plasma Cutting Machine**

## Technical characteristics:

- Use powerful IGBT switches and advanced inverter control technology.
- The products belong to a high technology inverter control technology.
- Use PWM control technology and Constant Curreny (CC) output control, welding current can be exactly controlled.
- Air plasma arc cutting process method. Special design of the circuit and structure of these cutting power sources.
- Excellent arc characteristics. Strong ability of the anti-fluctuating of power supply voltage.
- High cutting quality, small deformation after cutting.
- Minimizing, lightness, it can be moved easily,and energy savings up to 30%.
- With auto protection functions of over current and over-heat.
- The thin, medium and heavy plate material can be cut.
- Be able to cut all kinds of metal for example: carbon steel,stainless steel,aluminum alloy,etc.

## With complete accessories:

Plasma Cutting Torch, earth clamp & cutting cable, brush/hammer, protective mask.

3 PHASE

INVERTER

AC

CUTTING

DIGITAL DISPLAY

50/60 Hz

DC

CC

M IGBT


MMA WELDING

TIG WELDING

MIG MAG WELDING

PLASMA CUTTING

| | RATED SUPPLY VOLTAGE | SUPPLY FREQUENCY | RATED INPUT CAPACITY | RATED SUPPLY CURRENT | NO-LOAD VOLTAGE | CUTTING CURRENT RANGE | RATED CUTTING CURRENT | RATED CUTTING VOLTAGE | RATED DUTY CYCLE | AIR PRESSURE | EFFICIENCY | POWER FACTOR | CUTTING THICKNESS | AIR FLOW | DEGREES OF PROTECTION | CLASS OF INSULATION | NET WEIGHT | MACHINE SIZE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **TECHNICAL CHARACTERISTICS** | V | Hz | KVA | A | V | A | A | V | % | bar | % | Cosφ | mm | L/min | IP | H | kg | mm |
| **PS-160I** | 3-415V | 50/60 | 32.2 | 44 | 315 | 20-160 | 160 | 144 | 60 | 4.0-6.0 | 85 | 0.93 | 0.1-55 | 140-230 | IP21S | H | 80 | 120 L<br>650 W<br>1450 H |

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