

# IGBT Inverter ARC Welding Machine

This ARC welding machine utilizes IGBT inverter technology for increased strength and a compact size. It is suitable for MMA welding of low carbon steel and low alloy steel with various welding rods.



## Product Overview

### Professional IGBT Inverter Welding

This advanced IGBT inverter welding machine delivers superior performance with a compact and lightweight design. It provides high power utilization rates, minimizing open circuit losses while ensuring high-quality welding results. The unit is ideally suited for MMA welding applications on low carbon and low alloy steels, accommodating a wide range of welding rods.

## Technical Specifications

Model	Mains Voltage (V)	Frequency (HZ)	No-load Voltage (V)	Rated input capacity (KVA)	Insulation class	Output current (A)	Rated duty cycle (%)	Dimensions (CM)	Weight (KG)
CPT-120I	220	50/60	56	5.0	H	20-120	45	22.5*14*10	3.5
CPT-140I	220	50/60	56	5.5	H	20-140	45	22.5*14*10	4.0
CPT-160I	220	50/60	56	6.0	H	20-160	45	22.5*14*10	4.0
CPT-200I	220	50/60	56	7.0	H	20-200	45	25.5*15*11	5.0
CPT-120IS	220	50/60	56	5.0	H	20-120	45	22.5*14*10	3.5
CPT-140IS	220	50/60	56	5.5	H	20-140	45	22.5*14*10	4.0
CPT-160IS	220	50/60	56	6.0	H	20-160	45	22.5*14*10	4.0
CPT-200IS	220	50/60	56	7.0	H	20-200	45	25.5*15*11	5.0

Detailed comparison of electrical and physical specifications across the model range.

### Performance Highlights

**160 A**

Max Output Current

**45 %**

Rated Duty Cycle

**6 KVA**

Rated Input Capacity

### Power and Electrical

Parameter	Value
Mains Voltage	220V
Frequency	50/60Hz
No-load Voltage	56V
Insulation Class	H

### Physical Characteristics

#### Size and Portability

- Dimensions: 22.5 x 14 x 10 cm
- Weight: 4.0 kg

## Key Features

### Technology and Compatibility

IGBT Technology, MMA Welding, Low Carbon Steel Compatible, Compact Design