COMMANDER-500

Industrial IGBT Inverter ARC Welding Machine

ELECTRA KOKO-TAWA



Heavy Duty Industrial Welding Machine

The **COMMANDER-500** is a rugged, high-performance **500 Amp IGBT Inverter ARC Welding Machine** designed for demanding industrial applications. Built for fabrication shops, heavy engineering industries, construction projects, pipeline work, shipbuilding, and structural steel manufacturing, the machine delivers stable welding performance, excellent arc characteristics, and high reliability under continuous operation.

Engineered with advanced inverter technology, the COMMANDER-500 offers superior energy efficiency, strong arc force, smooth welding performance, and excellent resistance to voltage fluctuations, making it suitable for challenging site conditions.

Technical Specifications

Parameter	COMMANDER-500
Welding Process	MMA / Stick Welding
Input Voltage	415V ±15%, 3 Phase, 50/60 Hz
Rated Input Capacity	17 kVA
Rated Input Current	234 A
Rated Output Current	500 A
Rated Output Voltage	36 V
Duty Cycle	100% @ 325A / 35% @ 500A
No-Load Voltage	70 V
Output Current Range	30 – 500 A
Output Voltage Range	20.8 – 36 V
Dimensions (L × W × H)	430 × 230 × 408 mm
Net Weight	13 kg

Special Feature:

- VRD
- Electrode Size Selection
- ARC FORCE
- HOT START
- Digital Ampere & Voltage Display
- Option for Remote
- LIFT TIG
- Can be used with more than 100mtr Welding cable

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Applications

- Heavy Fabrication Industry
- Structural Steel Manufacturing
- Construction Projects
- Pipe Welding & Installation
- Industrial Maintenance
- Shipbuilding Industry
- Boiler & Pressure Vessel Manufacturing
- Bridge Construction
- Engineering Workshops
- Infrastructure Projects

Key Features

✓ Advanced IGBT Inverter Technology
✓ Stable Arc Performance with Smooth Metal Transfer
✓ Hot Start & Arc Force Control for Easy Arc Ignition
✓ High Efficiency & Energy Saving Design
✓ Excellent Performance Under Voltage Fluctuations
✓ Strong Penetration and Low Spatter Welding
✓ Compact, Lightweight & Portable Construction
✓ Suitable for Long Welding Cables
✓ Digital Display for Accurate Current Setting
✓ Built for Heavy Industrial Duty Applications
✓ Reliable Performance in Harsh Working Conditions

Standard Accessories

- Electrode Holder Plug
- Earth Clamp Plug
- Hexagon Wrench
- User Manual

Why Choose COMMANDER-500?

The **COMMANDER-500** combines the advantages of modern IGBT inverter technology with industrial-grade durability. Its stable arc characteristics, high efficiency, and reliable performance make it an ideal choice for industries requiring dependable welding equipment for daily production and site work.

ELECTRA KOKO-TAWA

India's Trusted Welding Technology Since 1986

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