

KAIYUAN

SAW Catalogue

Proven Machine Proven Performance



High Performance Digital Control Inverter Power Source

KID-1200

This is a IGBT based heavy duty inverter CC/CV power source suitable for Submerged Arc Welding (SAW), Carbon Air Arc Gouging (CAAG) and Electro Slag Welding (ESW) and Strip Cladding. High power non-parallel inverter technology is applied for compact internal structure, low system complexity and low potential malfunction rate, which eliminates the problem caused for the 2 parallel block machines and hence increase the reliability of the system

*Revolutionary Unique
Single block design*

*High Reliability
Single Power Block*

*IEC 60974-1
Compliant*



Salient Features:

- Heavy Duty – 1200A / 70%
- Operating Mode – CC/CV
- Suitability – SAW, CAAG, ESW
- Digital Display – V/A
- In-built Protections
 - Over Current
 - Over Heat
 - Over / Under Voltage
 - Phase Fault
 - Control Cable Short Circuit
 - High Frequency (HF) interference
 - Operation at high ambient

Specifications	KID-1200
Control Mode	Inverter
Mains supply	415V±15%, 3Ph, 50Hz
Rated input power	64KVA
Rated no load voltage	74V
Output current range	100 – 1200A
Full load rating	1200A / 70%
Continuous load	1000A / 100%
Protection class	IP21S
Insulation class	200°C
Dimensions, l x w x h	718 x 503 x 1007 mm
Weight	141 Kg

Heavy duty SAW Tractor Mounted head

MZC-1250 F36

This is a Tractor mounted SAW Head suitable for operating with ZD5-1200EJ, KID 1200. Power Sources. Tractor Mounted SAW Head + Control Panel (MZC-1250 F36).



Specifications	MZC- 1250 F36
Wire diameter	2.4 – 4.8 mm
Arc striking mode	Retract/Touch
Wire feed speed	35-330 cm/min
Welding speed	15-125 cm/min
Wed Head rotating Angle	360 deg
Left And Right Adjustment Angle	45 deg
Front & Back Adjustment Angle	45 deg
Wire Reel capacity	25 kg
Flux capacity	8 Litres
Tractor Weight	55kg

Salient Features

- Touch Sense – precise control of retracting during arc start ensures 100% ignition rate
- Parameter Preset – welding voltage, current and speed
- Stick Out Control – stable welding current in case of stick out variation, improved reliability
- Non Explosive Arc Start – smooth arc start eliminates weld defects and delivers perfect weld
- Smooth Manual slide for the X-Y motion of the torch during welding
- Knurled Roller – Single feed roller for 2.4 – 4.8mm wire diameter range reduces inventory and saves cost of wear parts
- Laser Pointer – clear visibility of operation even in inadequate light
- Wire Selector switch: Close loop communication between the peripherals to ensure perfect weld quality with the wire used

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