

# KAIYUAN

## SAW Catalogue

Proven Machine Proven Performance

•Europe

•Russia

•Canada

•United States

•Australia



## High Reliability Design for Heavy Duty Applications

### ZD5-1200EJ

This is a heavy duty Thyristor (SCR) controlled CC/CV power source suitable for Submerged Arc Welding (SAW), Carbon Air Arc Gouging (CAAG), Electro Slag Welding (ESW) and Strip Cladding. Backed by proven performance, rugged and reliable design and a wide range of protective features make it ideal for customers across all the applications segments. The state of the art control circuit features stable welding current to assure best welding quality.

*Over 40,000+ machines  
in operation world wide*



#### 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	ZD5-1200EJ
Control Mode	Thyristor
Mains supply	415V $\pm$ 20%, 3Ph, 50Hz
Rated input power	81 KVA
Rated no load voltage	74V
Output current range	200 – 1200A
Full load rating	1200A / 70%
Continuous load	1000A / 100%
Protection class	IP21S
Insulation class	200°C
Dimensions, l x w x h	880 x 590 x 925 mm
Weight	310 Kg

## 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