

# E Series

Thyristor controlled DC  
SAW power source



Suitable for long-time  
high-current welding!

## ■ The convincing high reliability (E/B Series)

- 200°C insulation, main transformer and reactor coil are insulated by US DuPont Nomex(R) Paper and Japanese HITACHI-Chemical insulating varnish with high insulation, high temperature resistance and dust tightness.
- Main circuit with perfect performed SCHNEIDER AC contactor, featuring no-load current pull-in, fully enclosed structure, high stability and reliability.
- Main circuit with LEM brand current transformer, featuring high temperature resistance, anti-interference, monitoring the current output from the interphase of balancing reactor, which protects the main transformer effectively.
- The protection prevents damage to the PCB from internal short of control cable, short between control cable and the workpiece or the output cable.
- Anti-interference of high frequency, which prevents damage to the PCB caused by high frequency and voltage generated by the working TIG welder around the SAW machine.
- Protection Class-IP21S, featuring physical insulation between main circuit and control circuit, which prevents the control circuit from being interfered by the main circuit, the whole structure has excellent damp resistance, anti-dipping and dust tightness.

## ■ The effective protection (E/B Series)

- The protection against overheat, overcurrent, lose phase, undervoltage and overvoltage etc. prevents the broken from accidents.

## ■ Other features (E/B Series)

- Input voltage compensation
- Multifunctional welding machine(E/B Series)
- Multi-output design, suitable for SAW, gouging and ESW etc.



E Series Control Panel

## ■ Rated specifications(E Series)

Model	ZD5-630E	ZD5-1000E	ZD5-1250E	ZD5-1600E
Control Mode	Thyristor			
Rated Input Voltage, Phase	AC415V*, 3 phases			
Input Power Frequency	50			
Rated Input Capacity	kVA 43	69	89	112
Rated Output Current	A 630	1000	1250	1600
Rated Output Voltage	V 44			
Rated Duty Cycle	% 100			
Rated No-load Voltage	V 72	74	75	75
Output Current Range	A 100-630	200-1000	250-1250	300-1600
Output Voltage Range	V 24-44	28-44	30-44	32-44
Protection Class	IP21S			
Insulation Class	200°C			
Cooling Mode	Forced convection			
Dimension (LxWxH)	mm 840x570x860	880x590x925		980x670x1060
Weight	kg 260	310	330	460

\*Other voltages are optional but orderingly mentioned additionally.