

■ DC Inverter Spot Welding Fusing Power Supply (ISB series)

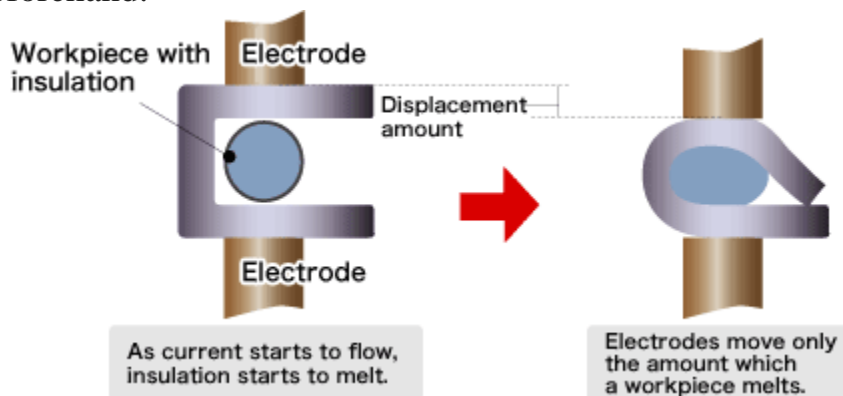


ISB-600A

Various weld schedules and control methods for meeting your applications!

Features

- Interrupt feature
Interrupt feature functions when a displacement amount reaches up to set level and stops current to obtain stable fusing. For this feature, it needs to be connected with a weld checker with a built-in displacement monitor and set a displacement amount of electrodes beforehand.



- Six kinds of control methods
Select an optimal control method for an application: Primary current effective value control, secondary current effective value control, secondary power effective value control, Primary current peak value control, secondary voltage effective value control, and constant phase control.
- Three kinds of monitoring
Current, voltage, or power can be monitored.
- Safety features
Overcurrent detector, no-current/no-voltage detector, heat abnormality detector, and self-check feature protect your safety.
- Two kinds of welding time unit
ms or cycle can be selected.

Specifications

Model		ISB-600A-00-00
Power requirements		200 to 240V +/-10%, 50/60Hz, Three phase
Maximum output current		600A (3%)
Number of schedule		255
Output frequency		1kHz
Control method		Primary constant current effective value / secondary constant current effective value / secondary constant current effective value / primary constant current peak value / secondary constant voltage effective value / constant phase
Timer		ms mode / cycle mode
	SQUEEZE	0000 to 9999ms / 000 to 999cyc
	SQUEEZE DELAY	0000 to 9999ms / 000 to 999cyc
	SQUEEZE	0000 to 9999ms / 000 to 999cyc
	UP SLOPE 1, 2, 3	000 to 400ms / 00 to 20cyc
	WELD 1, 2, 3	000 to 600ms / 00 to 30cyc
	DOWN SLOPE 1, 2, 3	000 to 400ms / 00 to 20cyc
	COOL 1, 2	000 to 999ms / 00 to 99cyc
	HOLD	00000 to 20000ms / 000 to 999cyc
	OFF	0 or 0010 to 9990ms / 00 to 99cyc
Turns ratio of transformer		1.0 to 199.9
Pulsation		01 to 19
Setting range		(1) 02.0 to 20.0kA (2) 02.0 to 20.0kW (3) 0.20 to 9.99V (4) 10.0 to 99.9%
<ul style="list-style-type: none"> • (1) Constant current control • (2) Constant power 		

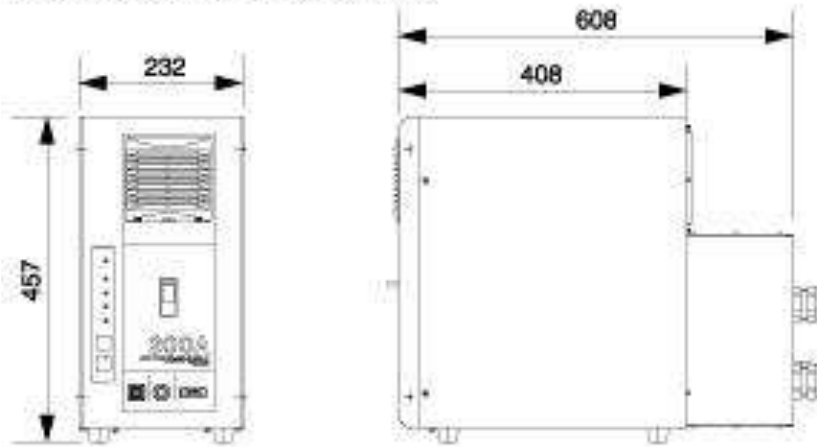
control <ul style="list-style-type: none"> • (3) Constant voltage control • (4) Constant pahse control 	
Mass	31kg



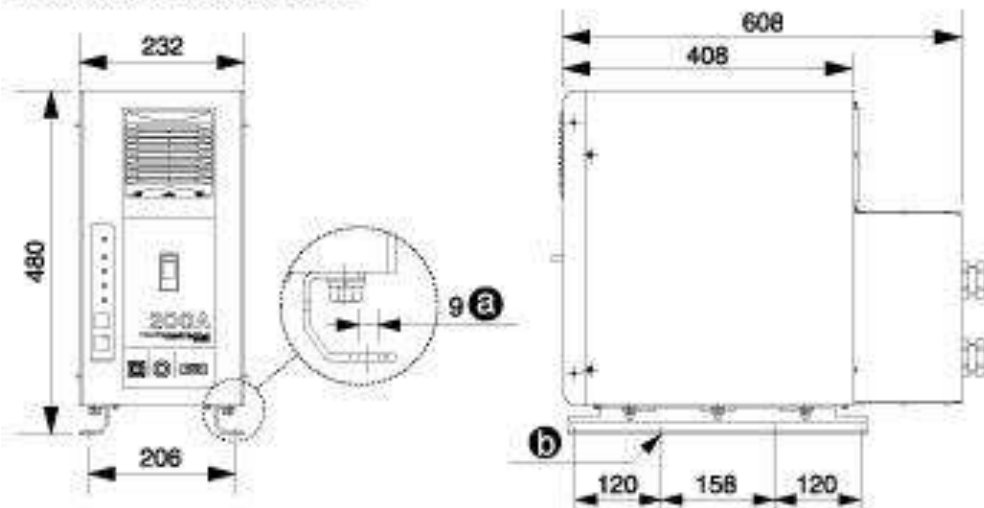
External view

The values in brackets are of ISB-600A.

Bracket not attached



Bracket attached



Corresponding transformer

	For ISB-600A	
Model	ITE-1500A3	SIT-F241-HC
Power requirements	220VAC	220VAC
Rated capacity	47.4kVA (50%)	75kVA (50%)
Rated primary voltage	300V	
No-load secondary voltage	13V / 15V	12.5V
Maximum output current	10000A (5%)	12000A (5%)
Cooling method	Air cooling	Water cooling
Ambient temperature	5 to 40°C	
Dimensions and mass	278H x 217.5W x 490D mm / 46.5kg	240W x 481D x 180H / 35kg