



## IPB-5000A - Inverter Power Supply

The IPB-5000A - Inverter Power supply delivers superior welding control for a wide range of micro-joining applications. When paired with the ITB-780A6 transformer this unit is capable of a maximum output of 6000 Amps, making it ideal for most resistive and conductive welding applications. It operates in constant current, voltage or power feedback modes and is capable of welding in a combo mode (current and voltage) to meet even the most challenging application or process conditions.

Weld to displacement function: When a weld displacement reaches a certain level the weld current can be interrupted. This generates a stable result. For this feature, the IPB-5000A - Inverter Power Supply needs to be connected with a weld checker such as MM-370B or [MG3](#) [1].

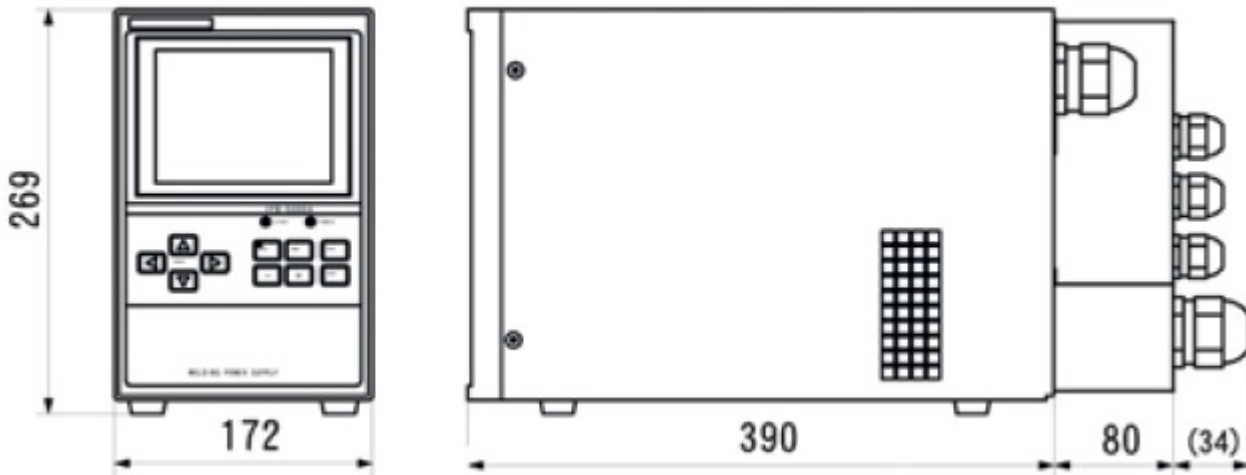
### Key features IPB-5000A - Inverter Power Supply

- > 5 kHz fast feedback
- > Constant current, voltage and power feedback mode
- > Combo mode
- > Displacement option
- > Full-color LCD monitor
- > Comparator and envelope functions
- > Weld pre-check

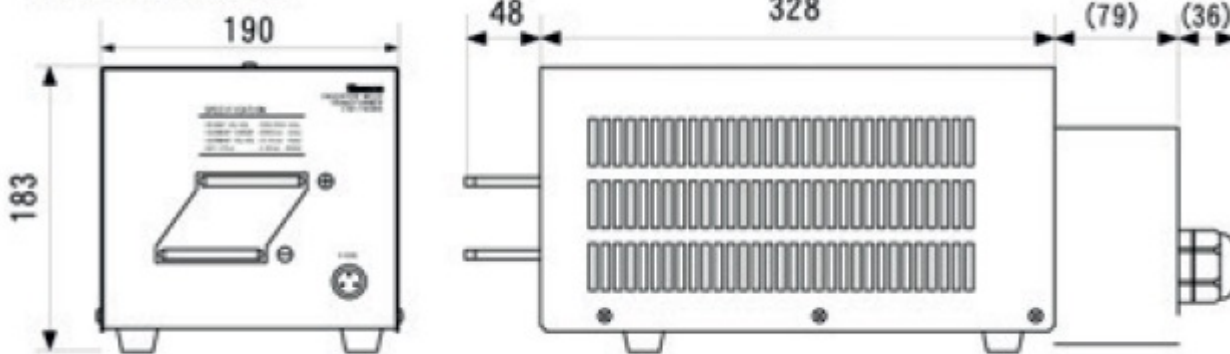
## Specifications IPB-5000A - Inverter Power Supply

<b>Model</b>	IPB-5000A	
<b>Power source</b>	Three phase, 200-240 VAC/380-480 VAC, 50/60 Hz	
<b>Primary frequency</b>	5 kHz	
<b>Primary current</b>	200A	
<b>Feedback mode</b>	Secondary constant current, secondary constant voltage, combination of secondary constant current and secondary constant voltage control, secondary constant power	
<b>Number of weld schedules</b>	127	
<b>Time settings: Squeeze delay</b>	0000 to 9999 ms	
<b>Time settings: Squeeze</b>	0000 to 9999 ms	
<b>Time settings: Weld 1, 2</b>	000 to 600 ms	
<b>Time settings: Up slope</b>	000 to 400 ms	
<b>Time settings: Cool</b>	000 to 999 ms	
<b>Time settings: Off</b>	0010 to 9990 ms	
<b>Current setting range</b>	0.40 to 4.00 kA	
<b>Current monitor</b>	0.00 - 9.99 kA	
<b>Displacement monitor</b>	-29.999 mm to 29.999 mm	
<b>Cooling method</b>	Forced cooling	
<b>Dimensions (LxHxD)</b>	172 x 349 x 504 mm	
<b>Weight</b>	19 kg	
<b>Model</b>	ITD-360B	ITD-760B
<b>Rated capacity</b>	10.2 kVA	17.4 kVA
<b>Rated primary voltage</b>	600 V	
<b>Secondary voltage, no load</b>	9 V	13 V
<b>Maximum secondary current</b>	3000A (5%)	4000A (5%)
<b>Cooling method</b>	Forced air cooling	
<b>Input frequency</b>	5 kHz	
<b>Turn ratios of transformer</b>	33:1	23:1
<b>Dimensions</b>	183 x 186 x 437 mm	190 x 183 x 491 mm
<b>Weight</b>	11 kg	13 kg

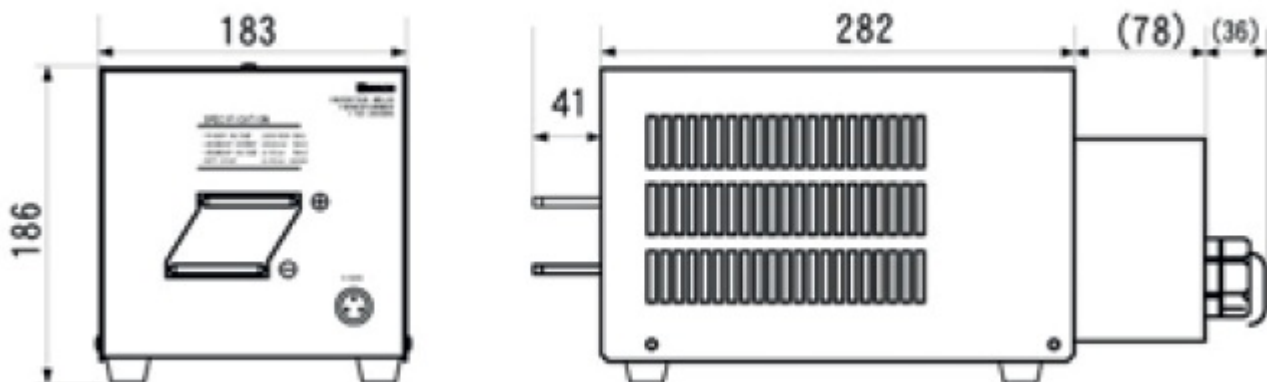
**IPB-5000A**



**ITB-780B6**



**ITD-360B6W**



Product applications IPB-5000A - Inverter Power Supply



Fusing of tunic covered wires



Welding of terminal and stranded wire

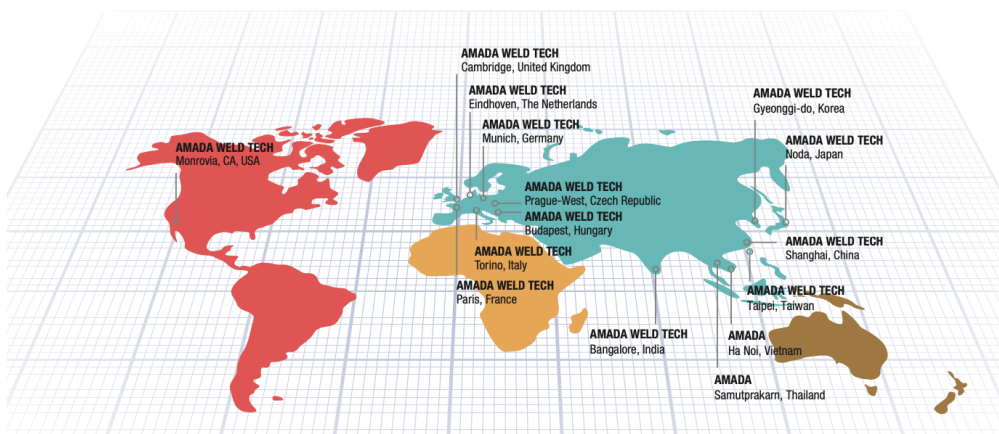
# AMADA®

## AMADA WELD TECH

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