



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].

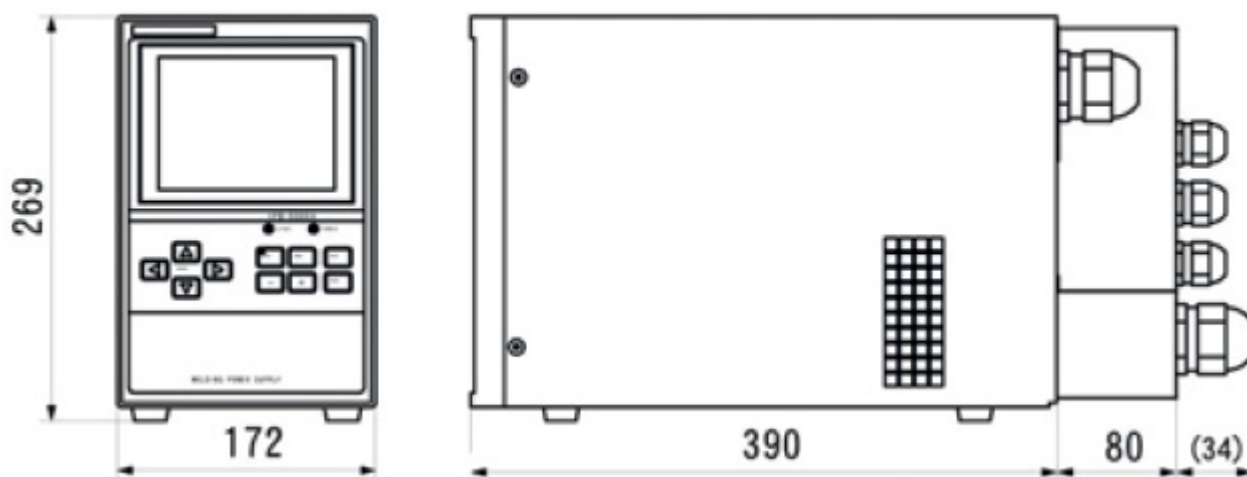
Key features IPB-5000A - Inverter Power Supply

- > 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

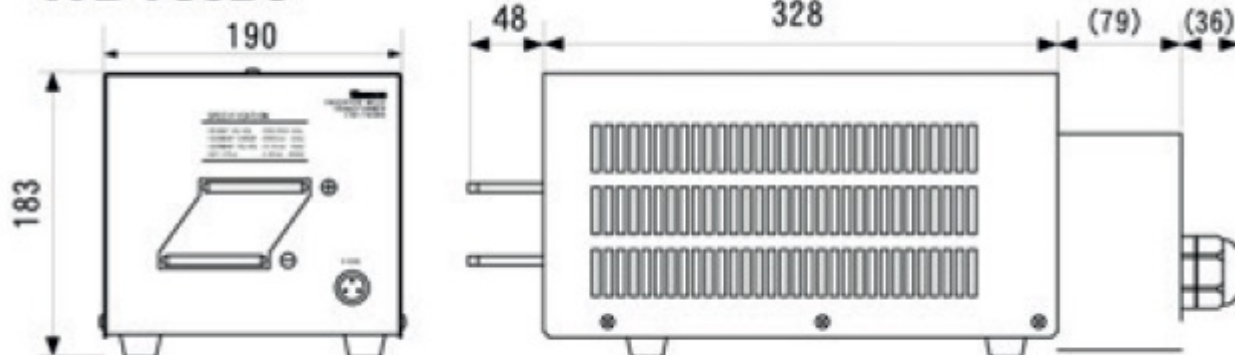
Specifications IPB-5000A - Inverter Power Supply

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

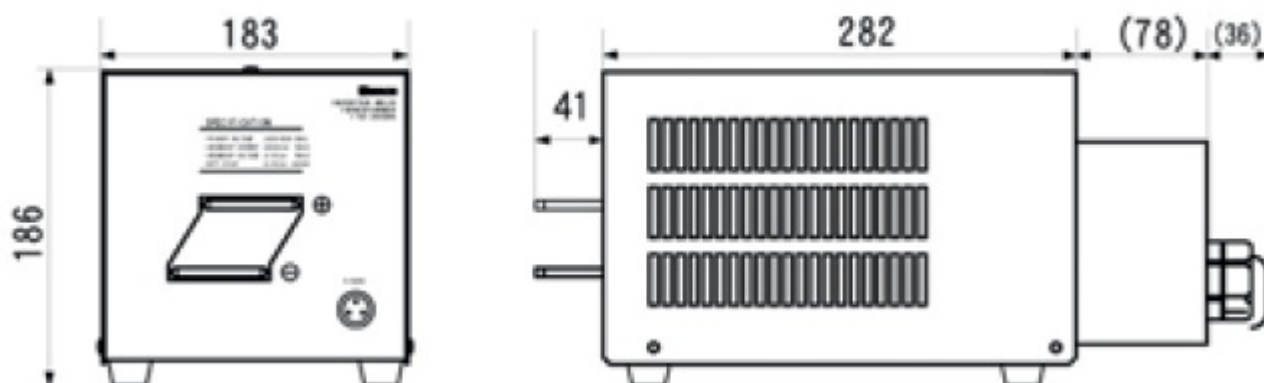
IPB-5000A



ITB-780B6



ITD-360B6W



Product applications IPB-5000A - Inverter Power Supply



Fusing of tunic covered wires

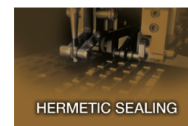


Welding of terminal and stranded wire

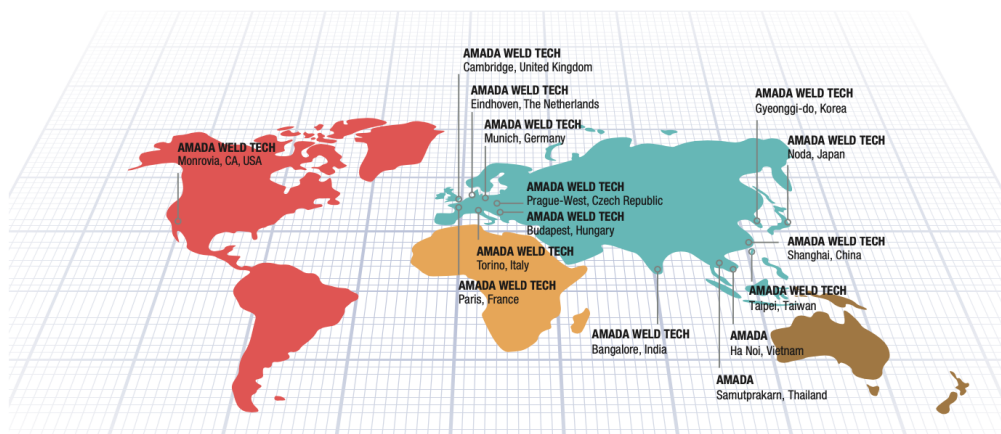
AMADA®

AMADA WELD TECH

OUR TECHNOLOGIES



OUR SALES OFFICES



AMADA WELD TECH GmbH
Lindberghstrasse 1 • DE-82178 Puchheim, Germany
T: +49 (0) 89 83 94 030 • Fax : +49 (0) 89 839403 68
info@amadaweldtech.eu • www.amadaweldtech.eu
ISO 9001 Certified Company

Please contact our worldwide
network here:



follow us on:



All data, images and text are subject to change at any time. AMADA WELD TECH GmbH reserves the right to change, modify, delete and add technical specifications and product details at any time without prior notification. © 2020 AMADA WELD TECH GmbH.

WWW.AMADAWELDTECH.EU