ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Siemens / Texas Instruments 505-6660* at our website: *Click HERE*

3.6 Installing Series 505 Power Supply

Power Budget for Series 505 Base

The total power consumption of all I/O modules (including the CPU or RBC) drawing power from a Series 505 power supply must not exceed 55.0 W from the +5 VDC output and 3.75 W from the –5 VDC output. Refer to Appendix B for power consumption listings for the CPU and all currently available Series 505 I/O modules and RBCs.

Power Supply Placement in Bases

Figure 3-3 shows the placement of the power supply in Series 505 bases. The power supply must always be installed in the left-most slot.

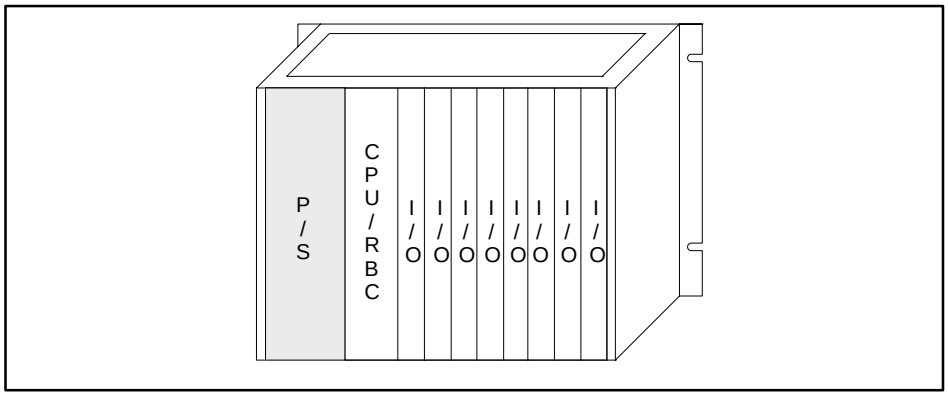


Figure 3-3 Placement of Power Supply in Series 505 Base

Installing and Removing the Power Supply

Use the following steps to install or remove a PPX:505–6660, PPX:505–6660–A, or PPX:505–6663 power supply.

⚠ WARNING

Do not install or remove any modules to or from a powered-up base.

Installing or removing any module from a powered-up base could cause unexpected operation which could cause death or serious injury to personnel, and/or damage to equipment.

Disable all power to the base before installing or removing any module.

1. Disconnect power to the base.

CAUTION

Attempting to operate the PPX:505–6660 or PPX:505–6660–A power supply at 220 VAC with 110 VAC selected, or 110 VAC with 220 VAC selected, results in damage to power supply. Attempting to operate the PPX:505–6663 power supply outside the designed voltage range of 20 to 30 VDC may cause damage to the power supply.

Double-check your power supply voltage before you attempt operation.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

2. If you are installing the PPX:505–6660 or PPX:505–6660–A or –B power supply, connect the voltage selector as shown in Figure 3-4.

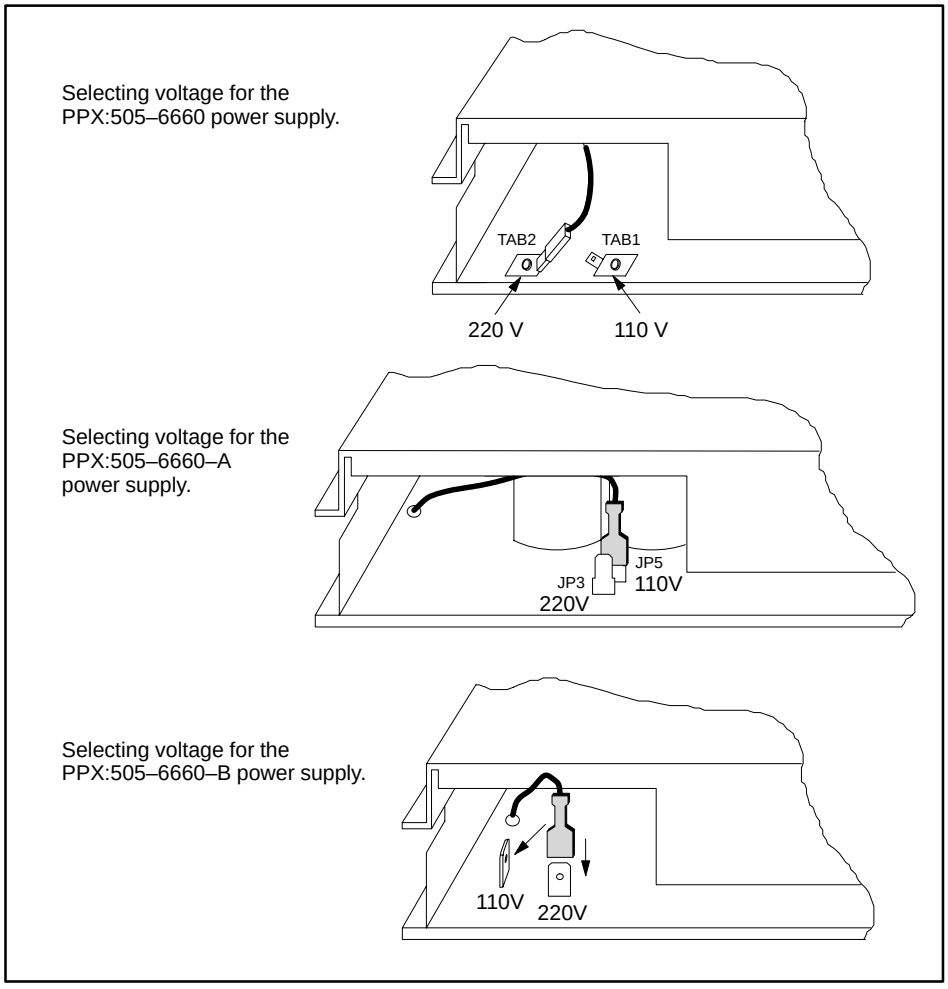


Figure 3-4 Input Voltage Selectors

3. Position the power supply so that the bezel is facing you.

4. Grasp the top and bottom of the power supply.

5. Carefully push the power supply into the slot until it mates with the backplane connectors.

6. Tighten top and bottom bezel screw to between 2.6 in–lb (0.3 N–m) and 5.2 in–lb (0.6 N–m) torque.

To remove the Series 505 power supply, simply reverse the procedures used during installation.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Wiring the Power Supply

After installing the power supply, you are ready to connect your power supply to an external power source. Observe these guidelines as you carry out the procedure below.

- Use 14 to 22 AWG solid or stranded wire. If you use stranded wire, the wire should be twisted and trimmed.
- Strip insulation back 0.4 inches (10 mm).
- Insert the wires fully into the terminal block so that the insulation butts against the block.

NOTE: The connector is rated for 50 wire insertions at no more than 5 in–lb (0.56 N–m) torque.

⚠ WARNING

Electrical shock hazard is possible if you do not turn off all power before attempting the wiring procedure.

Failure to turn off power could cause death or serious injury to personnel, and/or damage to equipment.

Ensure that all power is disabled before attempting the wiring procedures.

1. Disconnect power to the base.
2. Loosen the three power connector screws.

⚠ CAUTION

The PPX:505–6660 and PPX:505–6660–A power supplies have selectable voltage. Ensure that the voltage selector is set to match the input power. See Figure 3-4 for an example of how to set the voltage selector.

Attempting to operate the power supply at 220 VAC with 110 VAC selected, or 110 VAC with 220 VAC selected, results in damage to the power supply.

Double-check your power supply voltage before you connect input power.

Artisan Technology Group - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisantg.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP