



NetBotz 48V Power Supply

Thank you for purchasing this NetBotz 48VDC Power Supply. Using this power supply, you can use a 48VDC power source to power your NetBotz 500.

The NetBotz 48VDC Power Supply package includes the following items:

- The 48VDC Power Supply
- This flyer

Installation

To install the NetBotz 48VDC Power Supply, simply connect the 48VDC power source wires to the input terminals on the NetBotz 48VDC Power Supply (labeled “48VDC In”), and then connect the NetBotz 500 to the 48VDC Power Supply.



Note

The input polarity of the 48VDC wires does not matter. You can connect either 48VDC power supply wire to either the positive or negative terminal, so long as one wire is attached to each terminal.

Wall-Mounting Your Power Supply

To mount the power supply to a wall, use wall anchors to mount two screws 3” apart and then hang the power supply from the screws.

Recommended Wire Gauges

NetBotz recommends using wire 20 AWG or larger. If you need to run the 48VDC power wire longer than 100 feet, we recommend using a larger wire (18 AWG or 16 AWG.)

Cleaning Your 48VDC Power Supply

Use only a dry cloth to clean the 48VDC Power Supply housing. Gently wipe the surface of the 48VDC Power Supply with a dry cloth.

Misuse

Use your 48VDC Power Supply ONLY in the manner specified. If the equipment is used in a manner not specified by NetBotz, the protection provided by the equipment may be impaired. NetBotz is not responsible for misuse.

Specifications

Input Voltage Range	38VDC to 72VDC, 48VDC nominal
Input Connector	<ul style="list-style-type: none"> • 2 position screw terminal (removable for easier wire installation) • Torque screws to 4.4 in-lb (0.5Nm). Strip insulation back from end of wires 0.275 inches (7mm) • Wire Size: 12AWG to 20AWG <p>Polarity Note: Input voltage polarity is automatically corrected to match internal circuitry.</p>
Input Current (48VDC nominal input):	<ul style="list-style-type: none"> • Min Configuration: 0.240A (@38V)- NetBotz 500 with docked Camera Pod 120 and docked Sensor Pod 120 / • Typical Configuration: 0.325A (@38V) - NetBotz 500 with docked Camera Pod 120 and docked Sensor Pod 120 plus 1 tethered Camera Pod 120 and 1 tethered Sensor Pod 120 • Max Configuration: 1.2A (@38V) - NetBotz 500 with maximum number of tethered peripherals <p>Note: Input current listed was for lowest input voltage (38VDC). If input voltage is higher than 38VDC, the input current will be lower than the numbers listed.</p>
Output Voltages	<p>DC Power Cable to NetBotz 500:</p> <ul style="list-style-type: none"> • DC Power Cable for NetBotz Appliance <ul style="list-style-type: none"> - 3.3V +/- 5% - 5.0V +/- 5% • Aux 5V out connector <ul style="list-style-type: none"> - 5VDC +/- 5% (for future use)
Output Current	<p>Voltage/Min/Max:</p> <ul style="list-style-type: none"> • 3.3V / 0 / 2.0A (for power cable to NetBotz Appliance) • 5.0V / 0 / 3.0A (for power cable to NetBotz Appliance) • 5.0V / 0 / 1.0A (for 5V AUX output connector)
Operational Environment	<ul style="list-style-type: none"> • Temperature: 2°C to 50° C (35° F to 120° F) • Relative Humidity: 10% to 90% (non-condensing) • For indoor use only

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