MZ Series Power Station Installation and User Guide

Important Charger and Battery Safety Information

Keep this guide available. It contains important safety and operating information.

Battery Safety

⚠️ **Caution • Short Circuits**

Avoid accidental short circuiting of any battery. Allowing battery terminals to contact conductive material will create a short circuit which could cause burns and other injuries or could start a fire.

Caution • Don't Use Damaged Batteries

Never attempt to charge a battery that is visibly damaged or is emitting odors.

Caution • Always Use Zebra Batteries

Use of any batteries not approved specifically for use with this charger could cause damage to the battery or the charger and will void the warranty.

❗ **Important • Observe Battery Safety Precautions**

Always observe the safety precautions in the Lithium-ion Technical Bulletin included with each Battery Pack.

Important • Battery Disposal

Always dispose of used batteries in accordance with local regulations. Placing used batteries into the trash or the municipal waste stream may be illegal in your area. Insulate battery contacts with a piece of tape prior to disposal.

Charger Safety

⚠️ **Caution • Use the Correct Zebra Charger**

Only charge the supported battery pack types designated for use with this charger. Use of any battery charger not approved specifically by Zebra for use with its batteries could cause damage to the battery pack or the printer and will void any equipment warranty.

Caution • Correct Voltage

Ensure that the Battery Charger is configured for the A.C. voltage used in your area and you are using the correct A.C. power cord and/or power supply for the intended country of use. Use the charger with the supplied power supply only, which must be plugged into an earth grounded outlet.

❗ **Important • Charger Location**

Use care in locating the Charger. Do not place it in locations where liquids or metallic objects may be dropped into the charger. Never locate the charger near any source of combustion.
Ensure that the Charger is plugged into a power source that won't accidentally be turned off if you will be charging batteries overnight.

Important • Indoor Use Only

This charger is intended for indoor use only.

Important • Charger Maintenance

Clean only with a dry or slightly damp, lint free cloth.
Never operate a charger that has been damaged in any way.
Do not disassemble the battery packs or the charger.
There are no user servicable components inside
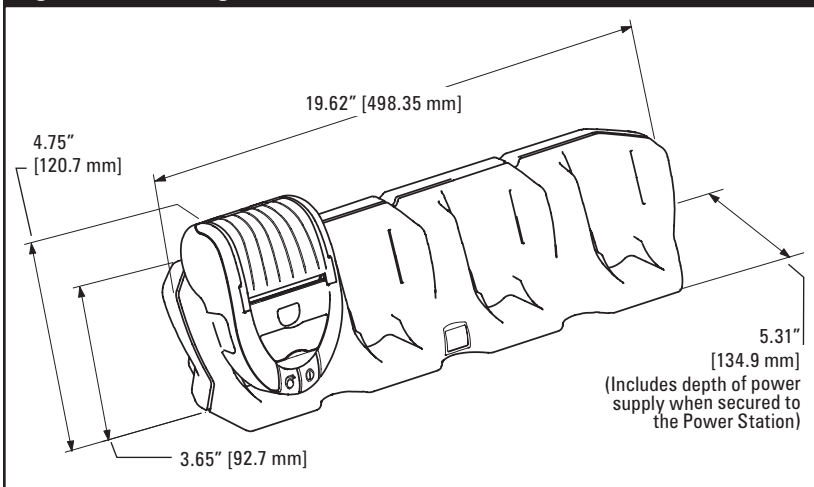
Charger Specifications

The power supply is compatible with all common AC supply voltages. AC voltage setting is automatic.

Power Supply Specifications	Input	100-240 VAC @ 1.2 AMPS Max., 50-60 Hz
	Output	12.0 VDC @ 4.2 AMPS Max.
Power Supply Operating Temperature	During Charge	0° C to 35° C 20% - 80% relative humidity
	In Storage	-10°C to 70° C 10% - 90% relative humidity

Installation

The MZ Series Power Station's power supply may be secured to the back of the Power Station with the supplied straps, or may be located a distance from the main charger module. The Power Station also has provisions to allow hanging from a wall. (Refer to Figure 3.) The power supply cannot be secured to the back of the Power Station when using this mounting method.

Figure 1: Mounting Dimensions

19.62" [498.35 mm]

4.75" [120.7 mm]

5.31" [134.9 mm] (Includes depth of power supply when secured to the Power Station)
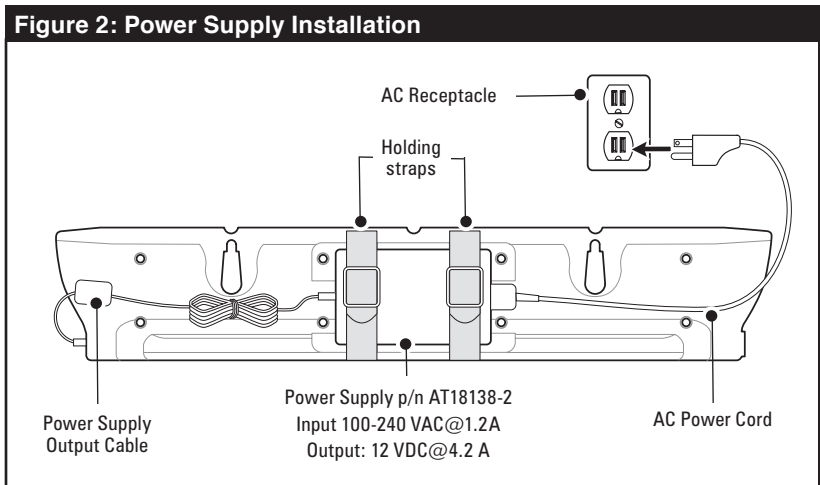
3.65" [92.7 mm]

You should leave a 1.75 in [44.5mm] minimum space above the printer to allow its insertion and removal if you are installing the Power Station under an overhang.

Plug the power supply output cable into the Power Station. You may elect to secure the power supply to the back of the Power station using the supplied Velcro® straps at this time.

Ensure the power cord supplied with your Power Station is the correct one for use in your locality. Plug the AC power cord into the power supply and into an AC receptacle. The indicator on the power supply should light up.

The Power Station should be situated to avoid the possibility of interfering with operator's normal activities, and should be plugged into an AC outlet that will not be accidently shut off if you are planning twenty-four hour charging of batteries.
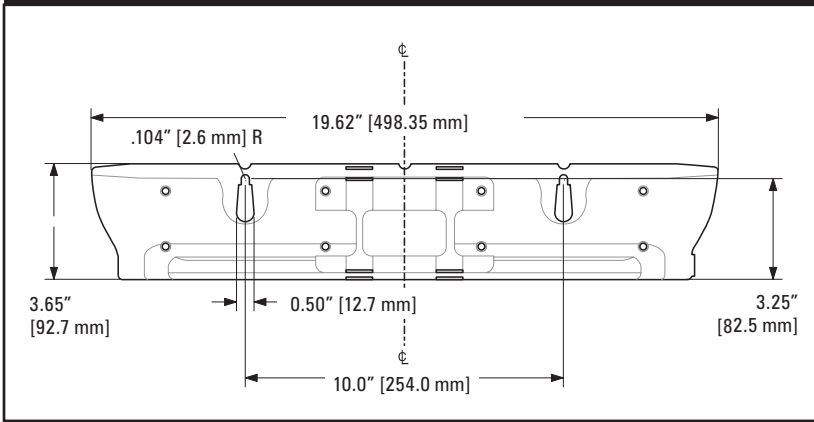
Figure 2: Power Supply Installation

AC Receptacle

Holding straps

Power Supply Output Cable

Power Supply p/n AT18138-2
Input 100-240 VAC@1.2A
Output: 12 VDC@4.2 A

AC Power Cord

Wall Mounting

Use the dimensions in Figure 3 to determine the best location for mounting the MZ Power Station on a wall. Remember to retain a minimum of 1.75 inches [44.5 mm] clearance above the Power Station for removing and inserting printers as noted above. When choosing a location please observe all the safety precautions included in this manual.

Figure 3: Dimensions for Wall Mounting

¢

19.62″ [498.35 mm]

.104″ [2.6 mm] R

3.65″
[92.7 mm]

0.50″ [12.7 mm]

3.25″
[82.5 mm]

¢

10.0″ [254.0 mm]

> **!** *Due to the many attachment variations that may be encountered in hanging the MZ Power Station form a wall, Zebra cannot supply or recommend specific mounting hardware. Selection of the correct hardware is the responsibility of the installer.*
>
> *Zebra is not responsible for any personal or property damage resulting from improper installation of the MZ Power Station.*

Using the Power Station

The MZ series Quad Power Station is designed to dock and charge up to four MZ series printers of either type simultaneously.

1. Ensure that the Power Station has been installed properly per this manual. Ensure that the power supply is properly connected and its power indicator light is on.
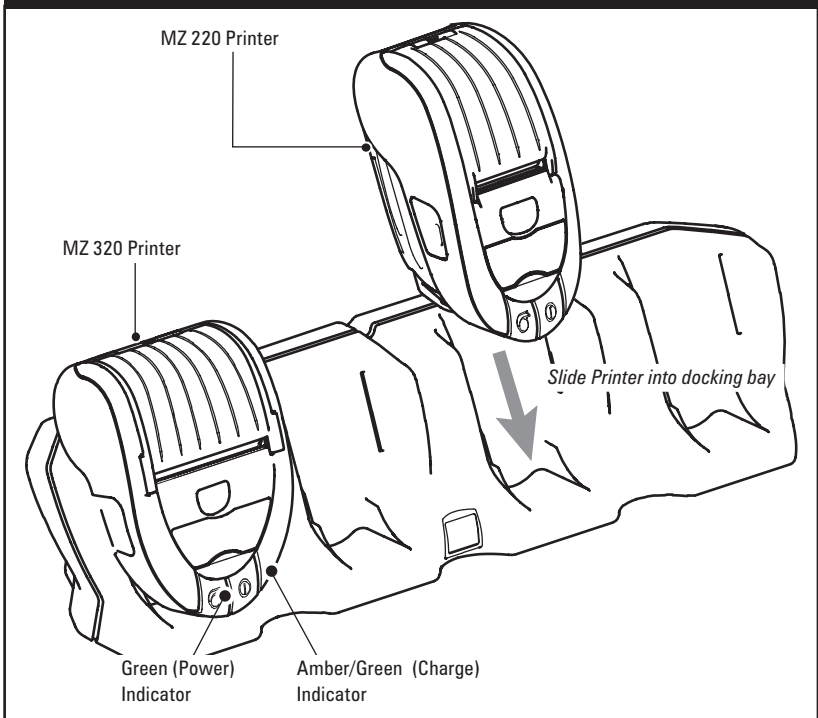2. Slide a printer into any one of the four docking bays as shown in Figure 4.

NOTE: If you are using a shoulder strap, ensure it is pulled away from the printer when installing in the Power Station.

The printer's charge status indicator will turn amber if the printer is properly inserted and the battery is less than 90% charged.

The printer's charge indicators will allow you to monitor the

Figure 4: MZ Series Quad Power Station

MZ 220 Printer

MZ 320 Printer

Slide Printer into docking bay

Green (Power) Indicator   Amber/Green (Charge) Indicator

charging process. (Refer to the following pages and to figure 5.)

Charge Status Indicators

When the printer is installed in the Power Station, the **Green/Amber indicator** to the right of the Power Button indicates the status of the printer's built-in charger:

- The indicator is off indicates the battery is not being charged.
- If the indicator is amber the battery is being charged.
- If the indicator is green, the battery is fully charged.

The **Green Indicator** between the Power and Feed buttons has two states:

- A rapidly blinking light indicates a low battery condition.
- A steadily lit indicator means that power is on and the battery charge level is sufficient for use.
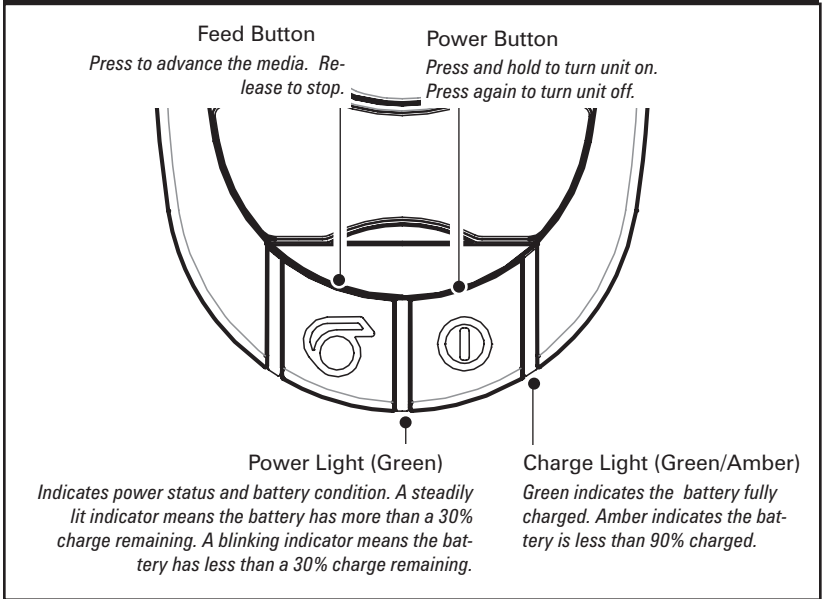
Approximate Charge Times :

Batteries are fully charged after 2.5 hours from the low-battery shut-off state. Partially discharged batteries will take less time to charge.

Notes: *Do not use the printer when installed in the Power Station. Charge times are for completely discharged batteries. As a safety feature the battery will stop charging after 4.5 hours regardless of the battery's charge state.*

Figure 5: MZ Series Printer Charge Status Indicators

Feed Button
Press to advance the media. Release to stop.

Power Button
Press and hold to turn unit on. Press again to turn unit off.

Power Light (Green)
Indicates power status and battery condition. A steadily lit indicator means the battery has more than a 30% charge remaining. A blinking indicator means the battery has less than a 30% charge remaining.

Charge Light (Green/Amber)
Green indicates the battery fully charged. Amber indicates the battery is less than 90% charged.

FCC Disclaimer

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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