



LIVE LUGGAGE

POWER ASSISTED

Technical information on the Live Luggage battery power pack

The rechargeable battery used on your PA Series is a Nickel-Metal Hydride cylindrical ten cell unit with a battery management system built-in to the pack

Battery temperature range is $20\pm 5^{\circ}\text{C}$, relative humidity is $65\pm 20\%$ and atmospheric pressure is 86-106Pa.

Avoid placing battery pack near fire, flame, heat supply and leaving in direct sunlight. Also avoid battery pack from becoming wet and anywhere moisture is an issue.

When you receive your new NiMH rechargeable batteries or battery pack, you must charge them fully before the first use. They may show full voltage and power required to operate your device, but charging before you use them the first time is still very important. Please note that for new NiMH rechargeable batteries, it can take from three to five charge and discharge (use) cycles before they reach their peak performance.

BATTERY INFORMATION



At normal room temperature, NiMH rechargeable batteries will generally lose about 1% of their charge per day. Higher temperatures will increase this loss, and lower temperatures (40-60F) will reduce this daily loss. This "shelf life" is less of a factor if you use them within the first five to ten days after they are charged.

One of the best ways to ensure that your NiMH rechargeable batteries will last as long as possible is to use them often. The more they are charged and used, the longer NiMH rechargeable batteries will last. Whether discharged or not, NiMH rechargeable batteries should be charged at least every sixty days.

Batteries - frequently asked questions

Q. How far will it go?

A. Under average conditions, using a combination of inclines, uneven ground and flat surfaces you should see a minimum of 2 hours battery life from a fully charged unit. The level of charge in the battery and its operating time may vary dependent on the weight of the case and the type of ground that is encountered! (Our tests resulted with an average distance of 1 3/4 miles with a 32 kg load)

Q. Does the power unit re-charge itself when in use?

A. Yes - We have integrated a design feature that allows the battery to have a level of re-charge when the case is moving without the power being required (i.e. downhill or on some flat surfaces. This is known as re-generation mode.

Q. Does it have a separate charger?

A. We have included a separate charger (and multi-adaptor) with every case. This charger must be used. Using other types of charger can seriously damage the power cells.

Q. Can I still use the power assisted luggage if the battery is completely flat?

A. Yes - there is no gearing mechanism or transmission. The case will act just as any normal case except with the anti gravity handle and the large wheels your luggage will be considerably easier to manoeuvre. We recommend that you fully charge the batteries when you reach your destination.

Q. How will I know when it needs re-charging?

A. There is a small red LED light which is on continuously when the handle is in the 'engaged' position. This light will go out when the battery needs re-charging.

Q. How does the battery unit comply with airline and port authorities?

A. We have designed a switching device for when the handle is disengaged i.e. in lock mode, which completely isolates the battery unit from the control system making it 100% secure. The latch on the Anti Gravity handle also ensures that the handle does not open accidentally whilst in transport mode. Your PA Series can be checked in through normal airport controls.

