

## DATA SHEET

# PAGlink PL150e V-Mount Battery

PAG-9308 / EAN 5060854320087

- Rechargeable Lithium-Ion.
- 150 Watt-hours, 14.8V 10Ah.
- Intelligent linking technology that allows batteries in any state of charge to be linked, combining capacities (2 linked = 300Wh, 3 = 450Wh).
- Current draw capability of 12A when linked, 8A individually.
- Hot-swap batteries for continuous power.
- Ideal for powering broadcast or digital cinema cameras and accessories simultaneously.
- 5-light Run-Time & Charge Status Indicator.
- Intelligent battery that communicates and manages its own charge and discharge safely.
- Up to 8 PAGlink V-Mount batteries can be linked for charge or discharge, regardless of rated capacity or state of charge.
- Compatible with PAGlink and Sony V-Mount Li-Ion chargers.
- Batteries can be charged whilst linked.
- Compatible with camera data systems that display capacity in the viewfinder/LCD (Sony & Red).



- Durable case construction.
- Hard-wearing, high-current contacts.
- Battery firmware can be updated externally.
- Independently tested to UN standard to meet air transport regulations.
- 2 year warranty with unlimited cycles during that period.



## 2 Year Warranty

Linking batteries shares the load and contributes to an extended battery life. PAGlink 150Wh batteries have a 2 year warranty, with unlimited cycles during that period.

## Flight-Friendly

The PL150 has a capacity above 100Wh, but below 160Wh, and has an allowance of 2 units per person, in carry-on luggage, when you travel by air. Individual Li-Ion batteries that have capacities greater than 160Wh are banned from passenger aircraft.

The PL150 has been tested to UN standards by an independent authority (Intertek Group plc) and certified to comply with air transport safety regulations.

Each PAG Li-Ion battery is labeled with its UN Test number and air travel quantity allowance, based on its capacity.

## PAGlink is an Industry First

PAGlink is the industry's first intelligent linking battery system. It offers more power, more technological advances and more benefits to camera professionals and than any other battery system.

PAGlink batteries can be used individually or linked to power a variety of cameras and equipment used for broadcast acquisition, video production or digital cinematography.

## Link-Up and Power-Up

PAGlink is the only system that allows you to combine the capacities of more than two batteries, of any rated capacity and in any state-of-charge, to achieve longer run-times or a higher current-draw. Up to 8 batteries can be linked for charge or discharge - an industry first!

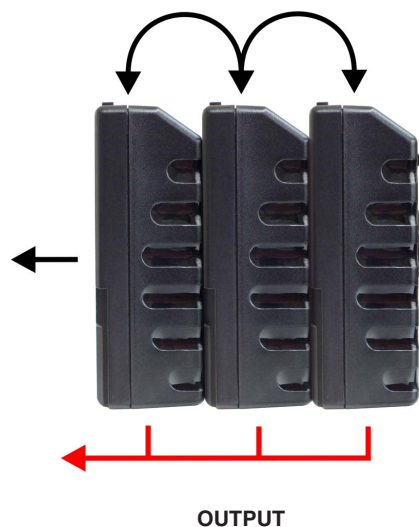
## Increased Capacity, Same Size

The PL150 takes advantage of the latest high-capacity Li-Ion cells in order to provide a greatly increased capacity of 150Wh, in the same enclosure as the PL96 PAGlink battery; and its only 40g heavier.

The PL150 is designed for high power-consumption applications, such as a digital cinema camera and multiple accessories. Two batteries can be linked, combining their capacities, to create a 300Wh power source, with a weight of just 1.5kg (3.3lbs) approx.; linking three batteries provides 450Wh; no other system offers as much power.

The rated maximum continuous output for an individual battery is 8A, and 12A when batteries are linked. PAGlink offers more power for set-ups that include multiple accessories. Hard-wearing, heavy duty contacts are incorporated for high-current applications.

COMMUNICATION



## The PAGlink Network

Linked batteries form a network that enables them to communicate with each other, managing the output safely, and preventing the transfer of charge between batteries. Unlike other systems, the linked batteries can be in any state of charge. PAGlink also allows batteries to be hot-swapped for uninterrupted power, greatly reducing time-consuming camera reboots during shooting.



## Run-Time & Charge Status Indicator

The PL150e incorporates a 5-light Run-time & Charge Status indicator which shows remaining camera run-time in hours and minutes. When linked, run-time is displayed for the total of all batteries connected. Battery state-of-charge is displayed as a percentage, in 6 increments. The display maintains its accuracy by tracking the performance, and adjusting calibration values to compensate for the ageing of the cells.

A PL96T or PL150T battery can be linked to a PL150e battery to provide a numeric display of remaining run-time for their combined capacities.

## In-Viewfinder Information

PAGlink batteries support multiple camera data systems that display capacity in the viewfinder/LCD. The battery recognizes the system's data protocol and adapts automatically when connected.

## Intelligent Linked Battery Charging

Intelligent linked battery charging was developed by PAG and is unique to the PAGlink system. It is more efficient because it allows more batteries to be charged on fewer and smaller chargers, with less user-intervention.

Up to 8 PAGlink batteries of any rated capacity, in any state of charge, can be linked for charging. The batteries control their own charge regime which means that V-Mount Li-Ion chargers of other reputable manufacturers can be used. The number of batteries that can be charged linked is dependent on the charger model and firmware version.

Using PAGlink chargers is the best way to ensure the longest possible battery life. The 2-position PL16 charger (Model 9707) will charge simultaneously up to 16 PAGlink V-Mount batteries (8 on each position).

Status during charging is indicated on the battery's individual display.

After being fully-charged, PAGlink batteries can be left safely stacked on the charger, until they are needed.

## Future-Proof Batteries

PAGlink battery firmware can be updated in the field by the user, in a matter of seconds, without opening the battery case. Updates enable you to benefit from the technological advances that PAG introduces to accommodate developments in camera technology.

## Smaller & Lighter Batteries

As well as being more intelligent, PAGlink batteries are smaller and lighter, with a higher energy density than other 'full-size' V-Mount batteries of equivalent capacity.

## Premier Quality Branded Li-Ion Cells

PAGlink batteries feature long-life, premier-quality Li-Ion cells, which have no memory effect, and are recyclable. In keeping with PAG's total battery design philosophy, PAGlink batteries are constructed to provide the longest possible working life.

## The World's Most Sophisticated Battery System

PAGlink is the right battery system for today's computerised cameras; it makes other battery systems seem crude by comparison.

*Patents Apply: [paguk.com/patents](http://paguk.com/patents)*



*2-position PL16 charger (Model 9707).*



## SPECIFICATION

**Connector:** V-Mount.

**Run-Time & Charge Status Indicator:**

5-light indicator that shows a run-time prediction, on-load, using a combination of lit segments. State of charge is indicated as a percentage (in approximately 20% segments).

**Construction:** ABS injection mouldings designed to protect the cells from impact damage.

**Replaceable Assembly:** The rear contact assembly can be replaced if damaged.

**Cells:** Premium-grade, high-current, sealed Lithium-Ion rechargeable cylindrical cells.

**Voltage:** 14.8V nominal. 12 cells connected in series/parallel. Each cell has a nominal voltage of 3.7V.

**Capacity:** 150 Watt-hours, nominal 10 Ampere-hours.

**Output Current:** Rated maximum continuous output current 8 Amperes. For 2 or more linked batteries 12 Amperes.

**Charge Voltage:** 16.8V.

**Protection System:** The multi-level electronic protection system is fail-safe and guards against conditions that reduce battery life. The circuit is coated for protection and to ensure operation of the safety systems in the event of damage to the battery.

**Temperature Range:**

**Charging:**

0°C to +40°C  
(Optimum +10°C to +30°C).  
+32°F to +113°F  
(Optimum +50°F to +104°F).

**Discharging:**

-20°C to +50°C  
(Optimum +5°C to +40°C).  
-4°F to +122°F  
(Optimum +41°F to +104°F).

**Storage:**

+10°C to +30°C (+50°F to +86°F).

**Dimensions:**

**Length:** 133mm (5.2").

**Width:** 84mm (3.3").

**Height:** 50mm (1.9").

**Weight:** 0.77kg (1.7lbs).



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