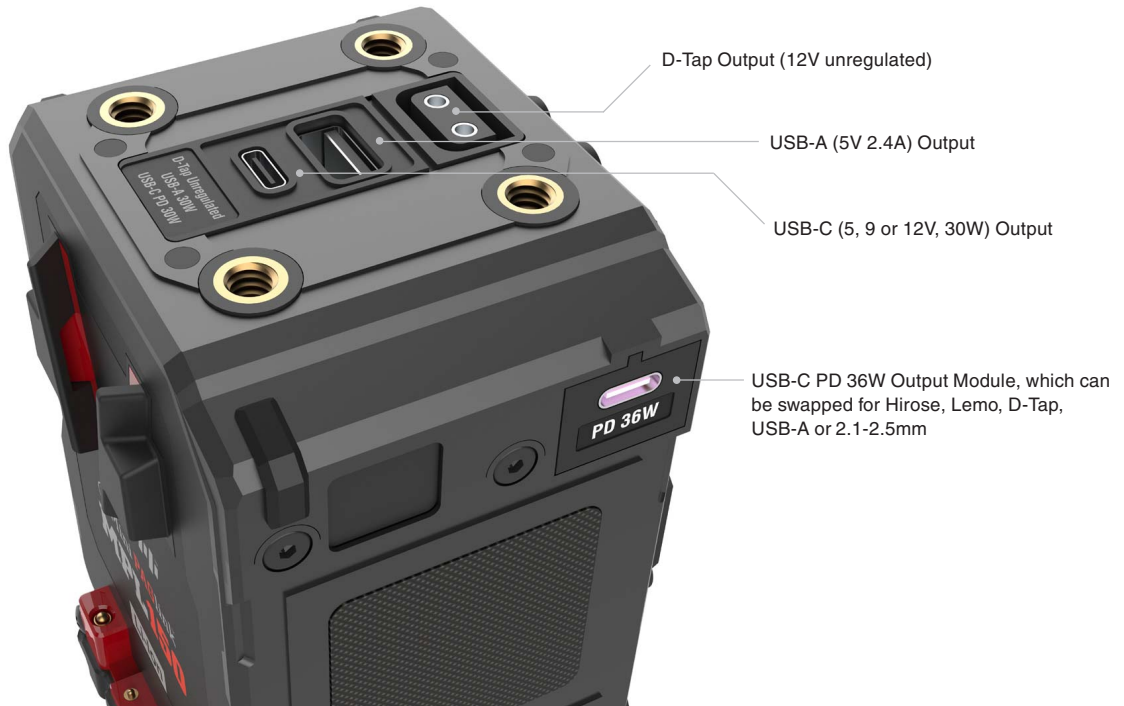


## DATA SHEET

# Mini PAGlink MPL 150V Battery

PAG-8342 / EAN 5060854320544

- Rechargeable Lithium-Ion Battery.
  - 150 Watt-hours, 14.8V 10Ah.
  - Intelligent linking technology that allows capacities be combined (2 linked = 300Wh; 3 linked = 450Wh).
  - Current draw capability of 12A when linked, 10A individually.
  - Hot-swap batteries for continuous power.
  - USB-C output PD 30W (5V 2.4A, 9V 3A, or 12V 2.5A).
  - USB-A output (5V 4.5A, 9V 3A or 12V, 2.5A).
  - D-Tap output (12V unregulated).
  - Removable output unit: USB-C PD 36W (3A at 5V, and 12V) which can be swapped for Hirose, Lemo 2.1-2.5mm, D-Tap or USB-A units.
  - Ideal for powering digital cinema cameras and accessories simultaneously.
  - The best Li-Ion cell for high-current capability and capacity retention above 500 cycles, according to NASA Battery Workshop.
  - 4 x 1/4" bushes for mounting accessories.
  - Numeric Run-Time, Charge Status & Data Display.
  - Intelligent battery that communicates and manages its own charge and discharge safely.
  - MPLV batteries can be linked for charge or discharge, regardless of rated capacity or state of charge.
  - Charge using PAGlink and other V-Mount Li-Ion chargers.
  - Displays state of charge in the viewfinder/LCD.
- 
- Ergonomic design with secure handling features.
  - Hard-wearing nylon case with impact protection features to withstand the toughest working conditions.
  - New modular construction that allows easier servicing and authorised cell-pack replacement for greater sustainability.
  - Battery firmware can be updated externally.
  - Independently tested by Intertek Group plc to UN 38.3 standard to meet air transport regulations.
  - 2 year warranty with unlimited cycles.



## Intelligent Linking & Outputs

The MPL150V has all the benefits of PAGlink intelligent linking technology combined with more output options than any other battery for broadcast or digital cinema cameras. PAG's patented battery linking technology remains far in advance of any other system available today.

The 150Wh battery is designed to complement the dimensions of smaller cameras, but is equally desirable for larger cameras. It will power cameras in combination with accessories such as lights and monitors, and can even be used to power your laptop.

The MPL150V features the following built-in outputs: a USB-C (5, 9 or 12V 30W); USB-A (2.4A 5V); and a D-Tap (unregulated) for 12V accessories.



There is also a USB Type C output unit (PD 36W), which can be swapped easily by the user for a range of output connector options.

## Choice of Output Units



## Less Weight or More Power

With intelligent battery linking, you can control the capacity and weight of your power source to suit the application: 1 battery for handheld applications or 2 batteries for more current or longer run-time. Linking two 150Wh MPL150V batteries doubles the capacity to 300Wh; 3 batteries provide 450Wh.

## Intelligent Linking

When linked, the batteries form a network that enables them to communicate with each other, managing the output safely, and preventing the transfer of charge between batteries. A fully-charged battery can be linked safely to one that is fully-discharged.

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

## MPL150V Front



## MPL150V Back



Linking two MPL150 doubles the capacity to 300Wh.

## More Current & Better ROI

When batteries are linked and in similar state of charge, the current-draw capability increases from 10A to 12A. This is ideal for camera set-ups that require power for multiple accessories. Simultaneous rather than sequential discharge means that there are no unused batteries adding dead weight to the camera. Sharing the current load contributes to an extended overall battery life and a better return on investment. PAG guarantees this MPL150V model for 2 years, with no limit on the number of cycles during that period.

## Hot-Swap or Add

PAGlink allows seamless hot-swapping for continuous power, or the ability to add another battery just to keep shooting; putting an end to time-consuming camera reboots.

## NASA Approved Cells

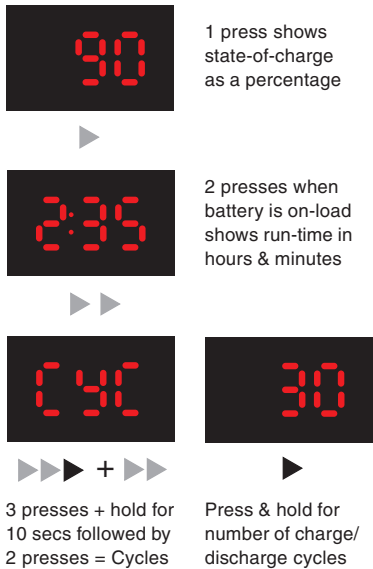
PAG's Mini PAGlink batteries feature the highest-quality Li-Ion cells, selected by NASA for their mission to Europa, one of Jupiter's moons. The NASA Battery Workshop found they offered 'the most favourable combination of energy and cycling stability and high rate capability up to 10A'. They also demonstrated the best capacity retention after 500 cycles.

## Compatibility & Integration

The MPL150V is compatible with full-size V-Mount camera plates. It can be linked to any Mini PAGlink V-Mount battery for discharging or charging, regardless of rated capacity and state-of-charge. It can be charged using PAGlink or other manufacturer's V-Mount chargers, for maximum versatility and economic integration.

## More Mounting Positions

Each battery features four 1/4" bush inserts. These can be used for mounting camera accessories to individual or linked batteries, or for mounting the battery to a rig without a V-Mount plate.



## Run-Time, State-of-Charge & Data

PAG's unique battery display shows remaining run-time, on-load, in hours and minutes. When batteries are linked, the run-time figure is for the entire stack. A single button press shows individual battery charge status in 1% increments. 3 button presses plus hold, provides access to the data menu where amongst other useful information, the number of cycles can be displayed. This data is designed to assist with battery management.

## In-Viewfinder Information

MPL150 batteries communicate automatically with multiple camera data systems (Sony & Red) to display their remaining capacity in the viewfinder and LCD.

## Flight Friendly

Two 150Wh Li-Ion batteries per person are included in your hand-luggage allowance when you fly. PAG Li-Ion batteries are tested to UN 38.3 standard by an independent authority, Intertek Group plc, and certified to comply with air transport safety regulations.

## Ergonomic & Durable

This MPL150 model features hard-wearing, reusable nylon outer band with impact protection features to withstand the harshest working conditions. It has an ergonomic design and rubber grip pads on either side of the outer band for safer handling. The other case parts are manufactured from high-impact, injection-moulded ABS which is inherently very strong and flexible.

## Linked Battery Charging

Linked charging allows more batteries to be charged using fewer chargers, and with less user-intervention.

Up to 10 MPL150 batteries, in any state of charge, can be linked for charging with any PAGlink charger. The batteries control their own charge regime which means that other manufacturer's Li-Ion chargers can be used (dependent on the model and firmware version).

The 2-position PAG PL16 Charger will fully-charge two fully-discharged MPL150 batteries in 5 hours. Charging will be slower using the standard PAG Micro Charger.

State-of-charge as a percentage, is indicated on the battery's individual display during charging.

## Modular Construction

The MPL150V battery features PAG's new, fully-serviceable, modular construction that allows authorised replacement of the cell-pack, while enabling the battery to maintain its air transport credentials. The case parts and electronic modules are reusable, reducing e-waste and contributing towards greater sustainability.

## SPECIFICATION

**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 is 10 Amperes. For 2 or more linked batteries it is 12 Amperes.

**Connector:** V-Mount.

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

**Outputs:**  
USB-C PD 30W (5V 2.4A, 9V 3A, or 12V 2.5A).  
USB-A 30W (5V 2.4A)  
D-Tap (unregulated) for 12V accessories.

Removable USB-C output unit (PD 36W, 5V 2.4A, 9V 3A or 12V 3A), which can be swapped easily by the user for a plug-in

Lemo, Hirose, D-Tap, 2.1-2.5mm or USB-A output unit.

**Charge Voltage:** 16.8V.

**Numeric Display:** State of charge is expressed as a percentage, in 1% increments. Run-time, on-load, is expressed in hours and minutes, in 1 minute increments. The following battery data can be displayed: voltage, temperature, number of charge/discharge cycles and software version.

**Construction:** The nylon outer band is designed to protect the cells from impact damage, and incorporates additional impact protection features.

**Replaceable Contact Assemblies:** The front and rear contact assemblies are external to the battery case and can be replaced if damaged.

**Modular Design:** The internal modules, including the cell-pack, can be replaced by an authorised service facility.

### Temperature Range

**Charging:**  
0°C to +40°C  
(Optimum +10°C to +30°C).  
+32°F to +104°F  
(Optimum +50°F to +86°F).

**Discharging Temperature Range:**  
-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:

<b>Length:</b>	110mm	4.33"
<b>Width:</b>	87mm	3.42"
<b>Height:</b>	76mm	2.99"
<b>Weight:</b>	850g	1.8lbs



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