

Choosing PAG shows others
that you demand the best

Longer Lasting Li-Ion

PAG L95 Li-Ion Power Circle Battery



Advanced Li-Ion Technology

Lithium-Ion technology possesses a fantastic power-to-weight ratio. It is for this reason that it is especially well suited to the latest professional broadcast cameras. However, the cost of switching to a Li-Ion battery system can be significant. For this reason PAG has introduced the L95 Power Circle Battery, as a high-quality, lower-cost, non-digital Li-Ion option.

The PAG L95 Power Circle Battery embodies advanced Li-Ion cell technology that combines a 95 watt-hour capacity with a weight of only 745g. The result is increased run-time for both a camcorder and a light up to 35W. Two L95 batteries will fit easily into your camera bag and provide enough power for a whole days shooting, with most camera and lighting set-ups.

One Battery, All Systems

PAG is the only manufacturer that provides its Li-Ion batteries in the three most popular formats: PAGlok, V-Mount (Sony) and Snap-on* (Anton-Bauer).

Charging

PAG has introduced lower-cost chargers to complement the L95 Power Circle batteries. The PAG Freelancer (PAGlok) and PAG V2 (V-Mount) are two-

channel sequential chargers, small enough to fit in your camera bag. Both feature an automatic recovery function if the battery output has been shut down by the internal protection circuit. The PAG V2 can also be used to charge Sony V-Mount Li-Ion batteries.

Alternatively, PAG all-chemistry chargers can be used, such as the AR124PLD (PAGlok), the V4-iPC (V-Mount) and the Pulsar (Snap-on). A charge adaptor is required to charge L95 batteries via the PP90 sockets of PAG all-chemistry chargers. The V-Mount compatible L95 can also be charged using a suitable Sony charger.

PAG POWER CIRCLE DISPLAY



The L95 Power Circle Battery is ideal for those who do not require the highly accurate 'run-time' display provided by PAG's digital L95 Time Battery. The Power Circle is a micro-driven coulometric capacity indicator that displays charge status in terms of percentage.

The Industry's Safest Battery

PAG has incorporated many levels of protection within the L95 to ensure that it is one of the safest batteries available, of any cell-chemistry. These features help prevent the damaging processes that reduce capacity; and in combination with proprietary charging techniques, ensure a longer battery cycle life. PAG is able to offer a warranty of **2 YEARS** on the L95 as a result of its exemplary performance record.

Quality branded cells, such as those utilised by the PAG L95, are a vital prerequisite to the creation of a safe Li-Ion battery. The L95s internal circuits are coated with Parylene, the premier conformal coating, to protect circuits against the results of severe mechanical abuse to the cell pack.

UN Certified Air Transport Safe

PAG L95 batteries have been tested by an independent test facility, to comply with UN regulations as required by air transport and civil aviation authorities.



Regulations exist because poorly constructed Li-Ion batteries have been known to break down internally and self-ignite. Testing is a legal requirement of conformity with the regulations, and it is therefore inadvisable to buy Li-Ion batteries that have NOT been tested. You should always ask the manufacturer to provide a test report number that relates to the assembled battery pack, and not just the individual cells.

Specification

Model No. 9335

PAGlok professional battery connector.

Model No. 9335V

Sony V-Mount compatible battery connector.

Model No. 9335A

Snap-on compatible battery connector.
(Anton-Bauer connector U.S. Patent 4,218,107).

Construction:

The casing for these models consists of high-impact polycarbonate injection mouldings, featuring an internal cradle designed to protect the cells from impact damage. The cells have welded interconnections of low-resistance nickel strap. The batteries are sealed and non user-serviceable.

Cells:

Premium grade Lithium-Ion sealed rechargeable cylindrical cells.

Voltage:

14.8V nominal. The battery contains 12 cells connected in series/parallel. Each cell has a nominal voltage of 3.7V.

Capacity:

Nominal 6.5 ampere-hours, with a charge voltage of 4.2V per cell, and discharged at the one-hour rate.

Charge Time:

The battery may require up to 3 hours to charge from the fully discharged state. Charge time will be less if the battery is partially charged at the start.

Output Current:

Rated maximum continuous output current is 5.5 amperes.

Protection:

The battery incorporates the following safety shutdown systems:

- ▶ 3 over-current shutdown systems.
- ▶ 2 over-voltage shutdown systems.
- ▶ 2 under-voltage shutdown systems.
- ▶ 2 thermal shutdown systems (including a non-resetting thermal fuse).

All protection circuits within the battery are designed to withstand the leakage of electrolyte.

PAG Power Circle Display.

The PAG Power Circle is a micro-driven coulometric capacity indicator that displays charge status in terms of percentage.



If the battery is 100% charged, then all 4 segments of the Power Circle will be lit.

The battery is self-diagnostic. Prior to any cumulative effect developing as permanent damage, the battery will report that it requires a service by pulsing the LED's simultaneously (when the display button is pressed) with a 50% on/off duty cycle. A complete charge followed by a full discharge will clear the condition, and the battery will confirm this by again showing the normal display when the button is pressed.

If the button is held in continuously, the display will operate for a short period and will then automatically turn off. This ensures that the display button cannot be held-in permanently during transit or storage.

Operating Temperature Range:

Optimum discharge efficiency is achieved within the temperature range +10°C to +40°C.

Overall Dimensions:

	Height	Width	Depth
PAGlok*	130mm (5.1")	86mm (3.4")	42mm (1.65")
V-Mount	130mm (5.1")	86mm (3.4")	47mm (1.85")
Snap-on	130mm (5.1")	86mm (3.4")	52mm (2.00")

*excluding locking claws

Weight:

PAGlok	745g (1.64lbs)
V-Mount	745g (1.64lbs)
Snap-on	760g (1.67lbs)