

Choosing PAG shows others that you demand the best

Economic and Enhanced

The new PAG L95e Battery



Budget Broadcast Battery

Although relatively low in cost, compared to the cameras they power, high-quality Li-Ion battery systems may appear expensive compared to some of the cheaper, imported options available. However, low-quality Li-Ion batteries can fail within a year and provide poor value for money. For this reason PAG has introduced a highly economic Li-Ion battery that incorporates enhanced features, and maintains the high quality and safety standards for which PAG is renowned.

Quality and Safety

PAG has been able to reduce costs by redesigning the battery to incorporate a new 5 LED capacity indicator. By using the same cell pack and electronic protection system as the L95 Time Battery PAG has also maintained quality and safety. Quality branded cells, such as those utilised by PAG, are a vital prerequisite to the creation of a safe Li-Ion battery.

The multiple levels of protection within the L95e ensure that it is one of the safest Li-Ion batteries available. In addition, the protection circuit is coated with Parylene, the premier conformal coating, to protect against the results of severe mechanical abuse to the cell pack.

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 an impressive warranty of 18 months on the new L95e.

V-Mount or PAGlok

The new low-cost L95e is available in PAGlok and V-Mount formats. Its 95 watt-hour capacity provides increased run-time for a camcorder and light up to 35W. Two L95e batteries will fit easily into your camera bag and provide enough power for a whole day's shooting.

Power & Time Circle Display

The L95e incorporates a new capacity indicator called the Power & Time Circle. It uses five LEDs to display charge status in terms of percentage. When the display button is pressed each LED that is lit represents approximately 20% of available capacity.

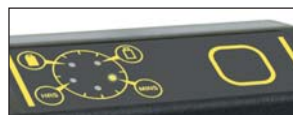
The display is also capable of indicating an estimate of remaining run-time, on-load:



A second button press activates the time display. The 'HRS' LED flashes twice.



The number of hours is indicated by the number of lit LEDs: 2 LEDs = 2 hours.



The 'MINS' LED then flashes twice.



The number of minutes is indicated: 3 LEDs = 30 mins.

Capacity in the Viewfinder

The V-Mount L95e, when used to power certain Sony cameras, will provide a percentage display of available capacity in the camera viewfinder.

No Service Charge

The new 5 LED display maintains its level of accuracy after repeated partial discharge cycles, and the battery does not require a periodic 'service charge' (full discharge/charge cycle) to re-establish accuracy.

Self-Recovery

If the battery has been shut down by its protection circuit it can be recovered by simply removing it from the load and pressing the display button, provided the battery still retains some charge.

Charging

To achieve the optimum number of discharge cycles the

PAG L95e should always be charged using a PAG charger. PAG offers low-cost chargers that complement the new L95e. The PAG Freelancer (PAGlok) and PAG V2 (V-Mount) are two-channel sequential chargers, small enough to fit in your camera bag.

Alternatively, the following PAG chargers can be used: the V-Mount compatible V4-iPC and new PAG Cube or the PAGlok compatible AR124PLD and Quasar. A charge adaptor is required to charge L95e batteries via the front PP90 sockets of other PAG all-chemistry chargers.

Charger Upgrades

PAG V-Mount chargers are already L95e compatible, but other PAG chargers in the field will require a software upgrade to charge the new battery.

Model 9670E Chip-Upgrade for AR Series 2 chargers.

Model 9670QE Chip-Upgrade for Quasar chargers.

Freelancer chargers must be returned to PAG to receive the upgrade.

Specification

Model No. 9310

PAGlok professional battery connector.

Model No. 9310V

Sony V-Mount compatible battery connector.

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.

Output Current:

Rated maximum continuous output current is 7.0 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.

Operating Temperature Range:

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

PAG Power & Time Circle Display:

A single button-press displays charge status in terms of percentage. The LEDs light clockwise, from the top right round to the top left.

5 LEDs	=	> 90%	remaining
4 LEDs	=	70 - 90%	remaining
3 LEDs	=	50 - 70%	remaining
2 LEDs	=	30 - 50%	remaining
1 LED	=	10 - 30%	remaining
1 LED flashing	=	0 - 10%	remaining

The display is also capable of indicating an estimate of remaining run-time, on-load:

- > The second button-press activates the time display.
- > The 'HRS' LED will flash twice.
- > The number of remaining hours will be indicated by the number of lit LEDs: each LED represents 1 hour.
- > The 'MINS' LED will then flash twice.
- > The number of additional remaining minutes will be indicated by the number of lit LEDs: each LED represents approximately 10 minutes.

NOTE: This product provides an estimate of remaining run-time. A more accurate and sophisticated run-time display is provided by the PAG Power & Time Display, incorporated in the L95 Time Battery (Models 9382 PAGlok, 9360 V-Mount and 9383 Snap-on).

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")

*excluding locking claws

Weight:

PAGlok	731g (1.61lbs)
V-Mount	749g (1.65lbs)

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