

## Specifications:

### PAG Cube Charger

Model No. 9702V

### Battery Connections:

V-Mount compatible connector.

### Range of Batteries Charged:

> PAG V-Mount Li-Ion: L95 (Models 9360, 9335V, 9310V), L110 (Model 9302V).

> PAG V-Mount ZL-Series: ZL-150 and ZL-50 (Models 9316V and 9315V).

> Sony V-Mount Li-Ion and Ni-MH.

> IDX V-Mount Li-Ion.

### Main Charge Programs:

Li-Ion Intelligent Parallel Charging program: maximum output 6A at 16.8V (100W approx.).

PAG ACS Ni-MH sequential charge program: output 3A.

### Recovery Feature:

Automatically recovers a Li-Ion battery where the output has been shut down. Additionally, the program detects batteries having a very low voltage, and initiates a special low charge current. The program will operate until the voltage has risen sufficiently for batteries to safely accept the normal charge current.

### Self Test Program:

The internal microcomputer constantly monitors the battery under charge, as well as the operation of the charger's own functions, which will be shut down to a safe condition should any of the tests fail.

### Mains Input:

90V to 265VAC. Frequency 50-60 Hz. EN6100-3-2 Power factor corrected. Maximum consumption 140W.

### Output Protection:

Charger protected against short circuit and excess battery voltage.

### AC Mains Failure Protection:

Should mains failure occur during a charging program, or whilst the charger is connected, it will shut down to a safe condition.

### User Interface:

Comprehensive LCD indication of charging process. The charger is fully automatic in operation and no user controls are provided.

### Safety:

Designed to comply with electrical safety standard BS EN 60065 and UL6500. NOTE: U.K. mains leads are fitted with a 1" fuse to BS1362 rated 5A as standard.

### European Union Directives:

Complies with the following:  
EMC Directive 89/336/EU.  
Low Voltage Directive 73/23/EU.

### Operating Temperature Range:

0°C to +40°C (+32°F to +104°F).

### Overall Dimensions (H x W x D):

157 x 157 x 157mm (6.2 x 6.2 x 6.2")

### Weight:

1.19kg

### Typical Charging Times:

1	PAG L95	3hrs	15mins
2	PAG L95s	4hrs	-
3	PAG L95s	5hrs	-
4	PAG L95s	6hrs	30mins

*These times are approximate only, and assume batteries are fully discharged. Charging times will be less if batteries are already partially charged.*

### PAG V4-CPA (Camera Power Adaptor)

Model No. 9701V

For use with the following PAG V-Mount compatible chargers:

> PAG Cube (Model No. 9702V).

> PAG V4-iPC (Model 9700V).

### Input Connection:

To be powered only from the appropriate charger (see above).

### Output:

16.8V DC. Maximum current 5.5A (90W).

### Output Connector:

XLR-4 (F) connector (Pin 1 Negative, Pin 4 Positive).

### Overall Dimensions (H x W x D):

130 x 86 x 47mm (5.1" x 3.4" x 1.85")

### Weight:

190g (6.7oz. approx.)

# CUBE

**iPC**<sup>TM</sup>  
INTELLIGENT  
PARALLEL  
CHARGER



> high-power  
> ultra-compact  
> V-Series charger

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**PAG** <sup>TM</sup>  
Professional Broadcast Equipment

# CUBE

## PAG Cube

> The PAG Cube is a new, ultra-compact, low-cost, simultaneous fast-charger. It features PAG's own Intelligent Parallel Charging software, designed for the safe fast-charging of V-Mount Li-Ion batteries, of reputable manufacture.

## Extend Battery Life

> Charging is the most important factor in achieving an extended battery cycle life. PAG L95 Li-Ion batteries are capable of an average of three years active service, without substantial loss of capacity, when protected from abusive charging practices.

## V-Mount Compatible

> The Cube features four V-Mount compatible battery connectors and can also be used to sequentially fast-charge PAG V-Mount ZL-Series batteries and other V-Mount Ni-MH batteries of reputable manufacture.

## Economy

> Value for money is at the heart of the Cube's conception. Equivalent chargers from other manufacturers can cost more than three times as much.

## High-Power

> The high-power Cube is capable of supplying 6A at 16.8V, approximately 100W. Charging is fast, efficient and fully automatic thanks to PAG's unique Intelligent Parallel Charging.



## << PAG Intelligent Parallel Charging

This unique PAG charging software incorporates three phases:

- > **Phase 1 - Pre-Charge:** prepares shutdown or deeply discharged batteries for charge acceptance.
- > **Phase 2 - Testing:** determines the type and state-of-charge of the batteries, and the maximum current that can be applied.
- > **Phase 3 - Charging:** the charger then shares the current intelligently between the channels, briefly addressing the most discharged batteries first, before simultaneously fully-charging all batteries as quickly and efficiently as possible.

>4-channel  
>V-Series  
>parallel charger



## LCD Screen

> The Cube incorporates a backlit LCD screen which indicates, at all times, the status of each channel.



## Ideal Location Charger

- > The Cube is the ideal location charger.
- > It is quiet and cool-running.
- > It has a robust but lightweight impact-resistant moulded-construction, incorporating an aluminium frame.
- > It features a strong, moulded handle that enables you to carry the charger with four batteries connected. The handle can be retracted into the lid of the charger when not required, to maintain the compact dimensions of the unit.

## Updates

> The charger is capable of receiving firmware updates externally, which is both convenient and economic.

## Power Supply

> The Cube's power supply technology enables the charger to be powered from any AC power supply, worldwide.

## Use the Cube to Power Your Camera via the V4-CPA >>



- > The Cube can be used to power your camera from an AC mains supply, with the addition of the PAG V4-CPA Camera Power Adaptor (Model 9701V).
- > This compact, impact resistant unit can be connected to any channel on the Cube charger. Connection to the camera can be made using a PAG XLR-4 male to female adaptor, coiled lead (Model 9450).
- > The PAG V4-CPA outputs up to 5.5A at 16.8V and is suitable for use with modern broadcast cameras which can be powered using 14.4V / 14.8V Li-Ion batteries.
- > The PAG V4-CPA can only be used in conjunction with the Cube or V4-iPC chargers.

>high-power  
>ultra-compact  
>lightweight