POWER | INNOVATION | QUALITY

DATA SHEET

PAG Cube Charger

INTELLIGENT PARALLEL CHARGER FOR PAGLOK BATTERIES

iPC™ INTELLIGENT PARALLEL CHARGER

- Ultra-compact and lightweight
- High power charging output
- Fast, efficient simultaneous charging
- 4 x PAGlok Connectors
- Charges PAG Li-Ion & Ni-MH batteries
- Separate Camera Power Supply
- Recovery Charge Program
- Worldwide Operation

DESCRIPTION

The PAG Cube is an ultra-compact, low-cost, simultaneous fast-charger. It features PAG's own Intelligent Parallel Charging software, designed for the safe fast-charging of PAGlok Li-Ion batteries.

Charging is the most important factor in achieving an extended battery cycle life. PAG L96 Li-Ion batteries are capable of an average of three years active service, without substantial loss of capacity, when protected from abusive charging practices.

The PAG Cube features four full-sized PAGlok connectors. It can also be used to sequentially fast-charge PAGlok Ni-MH batteries, such as the ZL-Series.

Value for money is at the heart of the Cube's conception. Other simultaneous chargers can cost three times as much.

The high-power Cube is capable of supplying 6A at 16.8V, approximately 100W. Charging is fast, efficient and fully automatic.

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.

The Cube 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.

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

The charger is capable of receiving firmware updates via the battery connectors, which is both convenient and economic.

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

The Cube can be used to power your camera from an AC mains supply, with the addition of the PAG Camera Power Adaptor. *See PAG CPA Data Sheet.*

SPECIFICATION

Model No. 9702

Battery Connectors:
4 x PAGlok connectors

Range of Batteries Charged Simultaneously:
- PAGlok Li-Ion (3 pin)

Range of Batteries Charged Sequentially:
- PAGlok Li-Ion (2 pin)
- PAGlok Ni-MH

Main Charge Programs:
- Li-Ion Intelligent Parallel Charging, max output 6A at 16.8V (100W approx.).
- PAG ACS 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 150 x 150mm (6.2 x 5.9 x 5.9").

Weight:
1.19kg

Typical Charging Times:

1	PAG L96	3hrs	15mins
2	PAG L96	4hrs	-
3	PAG L96	5hrs	-
4	PAG L96	6hrs	30mins

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

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