



# QUASAR

All-chemistry micro-charger  
and camera power supply

- > Ultra-compact, and lightweight
- > Available with integral 50W camera power supply
- > Choice of PAGlok or PAG Snap-on compatible connectors
- > Automatic Charge Rate Selection
- > Charges PAG Li-Ion batteries
- > Charges Ni-Cd & Ni-Mh batteries of all reputable manufacturers
- > Charges PAG V-Mount Li-Ion batteries





# QUASAR



**Model 9752**  
 2 x PAGlok connectors  
 2 x PP90 connectors  
 Built-in Power Supply



**Model 9726**  
 2 x PAGlok connectors  
 2 x PP90 connectors



The two channel PAG Quasar is an ultra-compact unit that incorporates a PAG ACS charger with a camera power supply, making it the ideal location charger. The Quasar is half the size of the AR124PLD and is available with a choice of either PAGlok or Snap-on compatible connectors.

The all-chemistry Quasar will charge PAG Li-Ion batteries, as well as Ni-Cd and Ni-MH batteries of other reputable manufacturers. PAG V-Mount Li-Ion batteries can also be charged via the Charge Adaptor Model 9617.

The PAG Quasar charges sequentially, which means it will get one battery up and running a lot quicker than a simultaneous charger. Simultaneous charging distributes current over two batteries at the same time, making the process twice as long. In fact, PAG chargers are so efficient that in some cases two batteries can be fully charged sequentially in less time than it takes a simultaneous charger.

The variety of batteries available to the camera operator, in terms of cell-chemistry, voltage and capacity has never been greater. PAG has acknowledged this fact by incorporating revolutionary software within Quasar chargers that provides the easiest and most efficient way of managing battery stocks. The Auto Charge-Rate Selection software detects the battery's cell-chemistry, state-of-charge, capacity, condition and cycle history using only the battery's negative and positive terminals. The charger then applies the correct regime to achieve a fully charged battery with the maximum capacity and cycle life. This technology was developed by engineers at PAG Ltd. and is unique to PAG chargers.

The Quasar is available with a built-in camera power supply that provides a nominal 50W output, suitable for powering a professional broadcast camera. In this mode the screen displays an accurate digital bar-graph of power consumption.

## PAG Quasar Specifications

### Range of Batteries Charged

- > PAG Lithium-Ion batteries.
- > Nickel-Metal Hydride batteries of reputable manufacture having nominal voltages of between 4.8V and 14.4V, and nominal capacities of between 1Ah and 10Ah.
- > Nickel-Cadmium batteries having nominal voltages of between 4.8V and 14.8V, and nominal capacities of between 1Ah and 10Ah.

### Battery Connections

- > PAGlok connector: patented professional connector compatible with all PAGlok batteries. Incorporates self-cleaning military-type beryllium-copper leaf contacts.
- > Snap-on compatible: PAG patented sliding connector suitable for PAG Li-Ion batteries (Models 9366 & 9383) and most Anton-Bauer batteries (not Dionic).
- > PP90 connectors: polarised connector suitable for 2.1mm coaxial DC power connectors. NOTE: centre pin negative.



**Model 9753**  
 2 x Snap-on connectors  
 2 x PP90 connectors  
 Built-in Power Supply



**Model 9727**  
 2 x Snap-on connectors  
 2 x PP90 connectors



**PAG Charge Adaptor for V-Mount Li-Ion batteries**  
 Slides onto the battery and plugs into the PP90 socket of any PAG Quasar charger (can also be used with any AR Series 2 or Pulsar chargers).

**Model 9617**

	Dimensions	Weight
Model 9726	72 x 135 x 185mm	882g
Model 9727	80 x 135 x 185mm	844g
Model 9752	72 x 135 x 185mm	882g
Model 9753	80 x 135 x 185mm	844g

**Main Charge Program**

- > Auto Charge Rate Selection Mode: Automatically selects the correct charge current.
- > Manual Selection: 2A or 3A charge current.
- > Li-Ion Voltage-Charge Program: Only available with PAG intelligent batteries or suitable PAG intelligent adaptor. PAG intelligent batteries automatically over-ride the Auto Mode or Manual selection, and control their own charge regime.

**Recovery Charge**

This special program conditions the battery for a period of one hour. The charger will then automatically enter the Main Charge program, which will run until the battery is fully charged. This program also recovers PAG Li-Ion batteries which have been over-discharged to the point where the internal safety protection circuit has tripped.

**Maintenance Charge**

A self-adjusting Maintenance Charge may be automatically entered after charging (not applied to PAG Li-Ion batteries).

**Self Test Program**

The internal microcomputer constantly monitors the battery under charge or process 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.

**Power Supply (Models 9752 & 9753 only)**

These models feature a Power Supply rated 13.5V to 14.5V DC, 3.7A (50W nominal), and is intended for powering a camera only.  
 Connector: XLR-4 (F), pin 1 neg. pin 4 pos.  
 Mains Input: 100-250V~. Frequency 47-63 Hz.  
 Maximum power consumption 100W.  
 Output: 26V DC 4A maximum.

**Safety**

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

**Output Protection**

Charger protected against short circuit, open circuit, excess battery voltage and reverse 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.

**European Union Directives**

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

**Operating Temperature Range**

0°C to 40°C (+32°F to +104°F).

## User Interface

PAG Quasar is simple to operate, with a large backlit LCD display providing battery voltage and charge loaded information. The front panel incorporates a soft function switch for the selection of programs and interrogation of charge data.

**Charging Screen:** This is the main screen when you turn on the Quasar Charger. Connect a battery and the screen displays the cell-chemistry, state of charge, capacity, condition, and cycle history (Charging Screen 1 & 2).



Charging: Screen 1



Charging: Screen 2

**Setting the Charge Voltage:** Take the mains lead out, hold in the function button and re-connect. Hold until you see the Charge Voltage Screen 3. To change the charge voltage press the function button again. There are three settings AUTO, 2A, and 3A. When you have chosen you will see Screen 4. This screen will automatically take you back to Screen 1, to confirm the setting you have chosen.



Voltage: Screen 3



Voltage: Screen 4.

**Power Supply Screen:** When a camera is connected, the screen will automatically provide an accurate digital bar-graph display of power consumption.



Power Supply: Screen 5

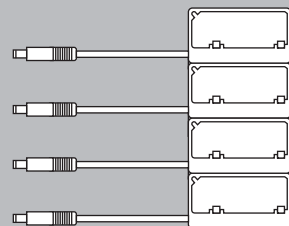
## Charging Adaptors



9576 PP90 plug to NP1



9489 PP90 plug to NP1 (2 way)



9483 PP90 plug to NP1 (4 way)



9693 PP90 plug to PP90 plug



9458 PP90 plug to Snap-On



9514 PP90 plug to PAGlok connector



9455 PP90 plug to XLR-4 (M)



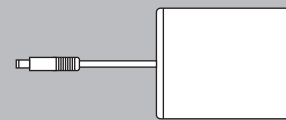
9687 PP90 plug to XLR-4 (F)



9692 PP90 plug to NP1 pocket



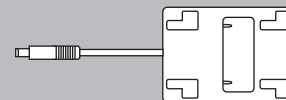
9690 PP90 plug to NP22 battery



9695 PP90 plug to NB-G1U & AU-BP220



9592 PP90 plug to Steadicam



9612 PP90 plug to Steadicam Master Battery

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