

# PAG Chargers. The secret of longer battery life.

## PAG ACS. Advanced Charging System.

**PAG AR Series 2, Quasar & Pulsar** charge PAG **Li-Ion**, as well as **Ni-Cd** and **Ni-MH** batteries of any reputable manufacturer, within the ranges 4.8V to 14.8V, and 1Ah to 10Ah.

**PAG AR Series 2** chargers are available with either PAGlok connectors or NP1 pockets. The **PAG Pulsar** features Snap-on compatible connectors, incorporating **Talk-Circuits**, which allow the charger to display data, recorded by PAG digital Li-Ion batteries, such as date of manufacture, serial number, Ah loaded, operating capacity, percentage state-of-charge, and battery temperature.

**PAG AR124PLD**  
Four-channel AR Series 2  
Charger/Discharger

### PAG QUASAR

Ultra-compact two-channel charger (half the size of the AR124PLD).



The Quasar is available with either **PAGlok connectors** or Snap-on compatible connectors.

All chargers are easy to operate. Many have large **backlit LCD displays**, providing battery voltage and charge loaded information.

**PAG AR Series 2, Quasar and Pulsar** chargers employ **Sequential Charging** which can fully charge one battery a lot quicker than a simultaneous charger. Simultaneous charging distributes current over more than one battery at the same time, making the process longer. PAG sequential chargers are so efficient that in many cases two batteries can be charged faster than they can with simultaneous chargers of other manufacturers.

All models are designed to high electrical standards, with RFI certification, and are suitable for use in all broadcast environments.

The Quasar incorporates an optional **Camera Power Supply** that provides a nominal 50W suitable for powering most professional broadcast cameras. In power supply mode the Quasar displays an accurate digital bar-graph of power consumption.



Quasar screen in power supply mode.

### PAG ACS - Advanced Charging System

PAG chargers are the most versatile and advanced microcomputer-controlled battery management systems in the industry. The PAG ACS software that controls the charging program will extend the working life of your batteries beyond anything that can be achieved using other systems.

### Automatic Charge-Rate Selection

PAG acknowledges the wide variety of batteries that are available to the camera operator, in terms of cell chemistry, voltage and capacity, and has incorporated revolutionary software in its chargers that provides the easiest and most

efficient way of managing them. Automatic Charge-Rate Selection detects the battery's cell chemistry, state-of-charge, capacity and condition, 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. The charge rate can be set manually to 2A, 3A, or 4A.

### Charge More Batteries

PAG all-chemistry chargers are suitable for charging PAG Li-Ion, Ni-MH and Ni-Cd batteries within the ranges 4.8V to 14.8V, 1Ah to 10Ah. The front mounted PP90 sockets enable the charging of other battery formats, via the appropriate charge adaptor (see Page 16).

Ni-MH and Ni-Cd batteries of other reputable manufacturers can be charged, as well as Sony & IDX V-Mount Li-Ion batteries.

### Variety of Features

The features of each PAG charger vary to include 2 or 4 channels, a choice of battery connector, a camera power supply or a Discharge program. Batteries which have been repeatedly subjected to partial discharging will benefit from the analytic Discharge/Charge program which also measures and displays available battery capacity.

### Recovery Charge

The Recovery Charge Program can be used to regain capacity lost as a result of extended storage or

operation under adverse conditions. An automatic maintenance charge is applied to Ni-Cd and Ni-MH batteries, after full charging, to keep them in peak condition and ready for instant use. This program is not required for Li-Ion batteries.

### Li-Ion Recovery

PAG chargers incorporate a program that will automatically recover PAG Li-Ion batteries when the output has been shut down by the internal protection circuit.

### Worldwide Operation

PAG charging systems automatically adjust to operate from AC mains supplies worldwide.