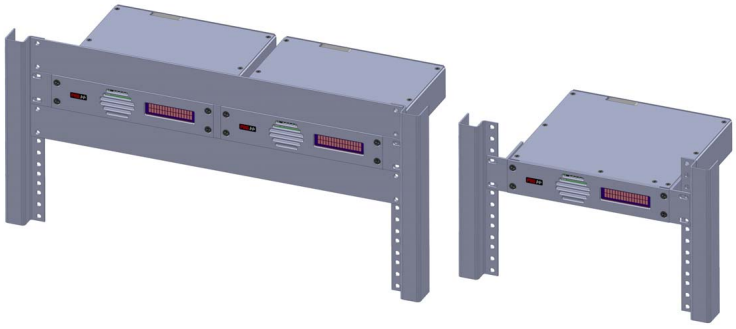
DATA SHEET

PAG RMC4X Charger

RACK-MOUNTABLE SIMULTANEOUS CHARGER

2 charger units can be mounted side-by-side in a full 19" rack system



A single unit fits into a half-rack system

- Ideal for use in outside broadcast vehicles
- Designed to be mounted in 19" rack systems
- 4-channel, simultaneous, Li-Ion and Ni-MH battery charger
- Includes four V-Mount or four Gold Mount battery charging connectors
- High-powered 100W output (6A at 16.8V)

Description

The PAG RMC4X is a rack-mountable, high-power, simultaneous broadcast battery charger designed for use in outside broadcast vehicles.

It can be used to simultaneously fast-charge V-Mount batteries (Li-Ion & NiMH) manufactured by PAG and Sony, or PAG Gold Mount Li-Ion batteries, via four battery mounts. The battery mounts connect to the charger via four XLR4M connectors. The charger's XLR4F connections are situated on its rear panel. Each RMC4X charger is designated for charging either V-Mount or Gold Mount batteries.

The RMC4X is designed to be mounted in a half-width racking system, and measures 1U high. Two units can be mounted side by side in a standard full-width 19-inch rack, by using connecting plates, available from PAG. The charger is equally suitable for use in a workshop environment.

4 x V-Mount charging plates with 1m long cables and XLR4 connectors are supplied with RMC4X-V Model 9702VR.

The backlit LCD screen clearly indicates each stage of the charging process. The charger also incorporates a Li-Ion recovery feature.

Specification

Range of Batteries Charged:

PAG RMC4X-V (V-Mount)
Model No. 9702VR:
- PAG and Sony V-Mount Li-Ion batteries.
- PAG and Sony V-Mount Ni-MH batteries.

Ni-MH batteries are charged sequentially.

PAG RMC4X-G (Gold Mount)
Model No. 9702AR:
- PAG Gold Mount Li-Ion batteries.

Battery Connections:
Model 9702VR: 4 x V-Mount connectors.
Model 9702AR: 4 x Gold Mount connectors.

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

Recovery Charge Program:
This special program will automatically recover 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 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.

Mains Input:
90V to 265V AC. 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 Liquid Crystal Display showing status of battery and charger. 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 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).

Overall Dimensions (Excluding Charging Connectors):
Height: 44mm
Width: 210mm
Depth: 201mm

Weight (Excluding Charging Connectors):
1.8kg

Typical Battery Charging Times:

Batteries:	Charge Time:
1 x 96Wh battery	3hrs 15mins
2 x 96Wh batteries	4hrs
3 x 96Wh batteries	5hrs
4 x 96Wh batteries	6hrs 30mins

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

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