

## DATA SHEET

# PL16+ V-Mount Charger

PAG-9711 / EAN 5060854320308

- 4-position simultaneous V-Mount fast-charger.
- 4 positions for charging PAGlink and non-linking batteries simultaneously.
- Charges simultaneously up to 8 PAGlink batteries or 10 Mini PAGlink batteries per channel.
- No more midnight battery swapping - charges 8 x 99Wh batteries overnight.
- High-powered 100W output (6A at 16.8V).
- Lightweight, rugged and quiet.
- Automatic recovery for deeply-discharged batteries.
- Ideal for broadcasters and hire companies.



## An Industry First!

PAG were the first to introduce intelligent, linked, battery charging to the broadcast industry, and PAG is still the only company that can offer this technology.

## Ideal Workshop Charger

The 4-position PAGlink PL16+ is the ideal workshop charger for broadcast organisations and rental companies. It greatly reduces the number of chargers required to manage a large PAGlink V-Mount Li-Ion battery inventory.

The batteries can be of any rated capacity and in any state of charge for linked charging. PAGlink intelligent batteries manage their own charging automatically.

8 fully-discharged 99Wh batteries will be fully-charged simultaneously in less than 12 hours; 16 batteries in less than 24 hours. 150Wh PAGlink batteries will take 50% longer.



*The PL16+ features 4 charging positions, which enable you to charge a mix of PAGlink, Mini PAGlink and non-linking V-Mount Li-Ion batteries, manufactured by PAG.*

### **Intelligent Linked Charging**

PAGlink batteries communicate their individual state-of-charge to the charger. The most discharged batteries are given priority until all the batteries reach a similar state-of-charge (within 20%). The batteries are then charged simultaneously, using available current in the most efficient way, until they are all fully-charged together. Fully-charged batteries stop accepting charge automatically and can be left safely on the charger until they are needed.

During charging, the percentage state-of-charge of each PAGlink battery is indicated on its individual display. The PAGlink battery's numeric display can be inverted, for legibility, with a single button press, and reverts automatically after removal.

The stages of the charging process for each channel are clearly indicated on the charger's large backlit LCD screen.

### **Li-Ion Battery Recovery**

An automatic recovery feature is included for deeply discharged batteries. Additionally, the charger will automatically reset Li-Ion batteries if their cut-out has been tripped.

### **Quiet & Cool-Running**

The PL16+ Charger is quiet and cool-running, and features a hard-wearing aluminum case. It weighs only 3.5lbs and its slim design makes it easy to transport.

# SPECIFICATION

## Range of Batteries Charged:

Individually or linked:

PAGlink PL96e Model 9303

PAGlink PL96T Model 9304

PAGlink PL150e Model 9308

PAGlink PL150T Model 9309

Mini PAGlink MPL50 Model 8141

Mini PAGlink MPL99 Model 8241

Individually:

PAG L90 Slim Model 9307V

PAG L95e/L96e Model 9310V

PAG L96T Model 9305V

Sony V-Mount Li-Ion

## Battery Connectors:

4 x V-Mount.

## Main Charge Programs:

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

## PAGlink Charging:

Up to 8 PAGlink batteries or 10 Mini PAGlink batteries per channel may be charged. Batteries can be in any state-of-charge. The most-discharged batteries will be given a higher charge priority. Fully charged batteries stop accepting charge automatically and independently of other batteries.

## Recovery Charge Program:

An automatic Recovery Charge Program enables deeply-discharged batteries to be charged. Additionally, the charger will automatically recover a Li-Ion battery where the output has been shut down.

## Self Test Program:

Monitors the battery under charge, monitors the charger's own functions, and shuts down to a safe condition should any tests fail.

## Mains Input:

100V to 264V AC. Frequency 47-63Hz. Maximum consumption 220W.

## Output Protection:

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:

The charge status of each PAGlink battery is indicated by its own display. The different stages of the charging process are indicated for each channel on the charger's LCD screen. The charger is fully automatic in operation.

## Operating Temperature Range:

0°C to +40°C (+32°F to +104°F).

## Dimensions:

Height: 67mm (2.64").

Width: 217mm (8.54").

Length: 314mm (12.36").

**Weight:** 1.6kg (3.5lbs).

## Typical Charge Times:

From fully-discharged to fully-charged.

Quantity	Model	Total Wh	Configuration:	Time:
1	MPL50	50	(1 / - / - / -)	1 hour
2	MPL50	100	(1 / 1 / - / -)	1.5 hours
4	MPL50	200	(1 / 1 / 1 / 1)	3 hours
8	MPL50	400	(2 / 2 / 2 / 2)	6 hours
16	MPL50	800	(4 / 4 / 4 / 4)	12 hours
32	MPL50	1600	(8 / 8 / 8 / 8)	24 hours
1	PL96/MPL99	100	(1 / - / - / -)	2 hours
2	PL96/MPL99	200	(1 / 1 / - / -)	3 hours
4	PL96/MPL99	400	(1 / 1 / 1 / 1)	6 hours
8	PL96/MPL99	800	(2 / 2 / 2 / 2)	12 hours
16	PL96/MPL99	1600	(4 / 4 / 4 / 4)	24 hours
32	PL96/MPL99	3200	(8 / 8 / 8 / 8)	48 hours
1	PL150	150	(1 / - / - / -)	3 hours
2	PL150	300	(1 / 1 / - / -)	4.5 hours
4	PL150	600	(1 / 1 / 1 / 1)	9 hours
8	PL150	1200	(2 / 2 / 2 / 2)	18 hours
16	PL150	2400	(4 / 4 / 4 / 4)	36 hours

The current is shared between charging channels. To charge an individual battery in the fastest time it is best to connect only that battery to the charger.

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