

DATA SHEET

PL16 V-Mount Charger

PAG-9707 / EAN 5060854320223

- 2-position simultaneous V-Mount fast-charger.
- Fast-charge PAGlink and Mini PAGlink batteries individually or linked.
- Charges simultaneously up to 16 PAGlink batteries (8 per channel) or 20 Mini PAGlink batteries (10 per channel).
- No more midnight battery swapping - charges 8 x 99Wh batteries overnight.
- Lightweight, rugged, compact and quiet.
- Features a 100W camera power supply with XLR4 output.



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.

Easier Location Charging

Why ship bulky, 4 channel chargers to your location shoot, when you can charge them all on a single 2-position charger?

Intelligent, linked charging means no more interrupted sleep, swapping charged batteries for discharged

batteries on your charger, just to get them ready by the morning. Now, at the end of a shoot, simply stack your batteries and connect them to the charger, and the next day they will be fully-charged and ready to go.

Up to 16 PAGlink batteries (8 per channel) or 20 Mini PAGlink batteries (10 per channel) can be charged simultaneously. The batteries can be of any rated capacity and in any state-of-charge. PAGlink intelligent batteries manage their own charging automatically.

Intelligent, linked charging means fewer chargers required by your company - which saves you money!

Intelligent Linked Charging

Four fully-discharged 99Wh Mini PAGlink batteries will be fully-charged in 6 hours; 8 will be charged in 12 hours. 150Wh PAGlink batteries take 50% longer.

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 numeric display on PAGlink batteries 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

A Recovery Charge Program is included for deeply discharged batteries. Two presses of the charger's front panel button will enable the batteries to accept charge. Additionally, the charger will automatically reset Li-Ion batteries if their cut-out has been tripped.

Compact & Lightweight

The PL16 is compact, quiet and cool-running, and features a hard-wearing aluminum case. It weighs only 3lbs, and its slim design makes it easy to transport.



100W Camera Power Supply
XLR4 Output

Camera Power Supply

The high-power PL16 is capable of supplying 6A at 16.8V (approximately 100W). It can also be used to power your camera from any AC supply worldwide, via the charger's built-in 100W camera power supply, which has an XLR4 output.

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:

2 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:

Automatically recovers a Li-Ion battery after shut down. Automatically detects very low battery voltage and initiates a low charge current until voltage has risen enough for normal charging.

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: 75mm (3").

Width: 210mm (8.3").

Length: 190mm (7.5").

Weight: 1.4kg (3lbs).

Camera Power Supply:

Suitable for powering cameras that can accept a 16.8V input.

Operation:

The camera power supply function is operated by pressing and holding the Camera PSU button on the charger's front panel for 1 second. Charging is suspended whilst the power supply is in use.

Output:

16.8V DC. Maximum current 5.5A (90W).

Output Connector:

XLR4F connector (pin 1 neg. pin 4 pos).

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	(2 / 2)	3 hours
8	MPL50	400	(4 / 4)	6 hours
16	MPL50	800	(8 / 8)	12 hours
20	MPL50	1000	(10 / 10)	15 hours
1	PL96/MPL99	100	(1 / -)	2 hours
2	PL96/MPL99	200	(1 / 1)	3 hours
4	PL96/MPL99	400	(2 / 2)	6 hours
8	PL96/MPL99	800	(4 / 4)	12 hours
16	PL96/MPL99	1600	(8 / 8)	24 hours
20	MPL99	2000	(10 / 10)	30 hours
1	PL150	150	(1 / -)	3 hours
2	PL150	300	(1 / 1)	4.5 hours
4	PL150	600	(2 / 2)	9 hours
8	PL150	1200	(4 / 4)	18 hours
16	PL150	2400	(8 / 8)	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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