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V-Mount Style 4 Channel Charger

Operational Instructions

SMC-C4

This charger is for Li-ion batteries with the V-Mount style camera mounting system.

When the charger has been turned on to the ***CHARGER*** position without any load, all indicator lights turn green.

When a battery is connected with the charger, different charging modes will be applied automatically depending on the remaining battery power:

A) If the remaining battery power is low or empty, a constant-current charging mode will be chosen and the indicator light turns red. When the battery power increases gradually up to 60%, the charger will switch to the constant-voltage charging mode with lower charging current and the indicator light turns orange. Finally, after the battery has been fully charged, the charging current will drop to as low as 0.1 A and the indicator light will turn green.

B) If the remaining battery power is already higher than 60%, a constant-voltage charging mode will be applied automatically and the indicator light turns orange. After the battery has been fully charged, the charging current will drop to as low as 0.1A and the indicator light will turn green.

C) If the battery has already been fully charged, a trickle charge with a current of 0.1 A will be applied to the battery, the indicator light will also turn green.

D) If any of the three circumstances stated below has occurred, the charger has detected some problems in the battery. Please contact the dealer immediately for maintenance:

1) The red and green lights flash alternatively.
2) The orange and green lights flash alternatively.
3) The red light suddenly turns green when the battery is known to be in need of a charge.

E) Different batteries capacities require different charging times, as illustrated below. These times are for the batteries to reach a 100% charge. (Times are approximate.)

90Wh/6.6Ah	**160 Minutes**
120Wh/8.8Ah	**210 Minutes**
150Wh/11Ah	**270 Minutes**

Use as a camera power supply:

This unit is equipped with a 4 pin XLR DC output designed to power common video equipment. Pin 4, is positive, Pin 1, negative, (Sony compatible). To operate as a power supply, remove batteries; select ***DC OUT*** with rear power switch. Attach supplied DC power cable to charger and device. The rating for this unit is 4.5 amps***, Do not exceed power rating.***

Warning!

1. Do **not** charge any battery that is not manufactured by our company.
2. It is normal if the temperature of the charger rises in the charging process.
3. Allow the charger to operate with good ventilation while in charging process.
4. Do not block charging fan and/or air vents.
5. Do not use or store the charger in hot, dirty or humid place.
6. Remove batteries after fully charged.
7. Do not open or attempt to repair the charger. If the charger becomes defective, contact the dealer for assistance.

SMC-C4 Charger Specifications:

Channel:	4 Simultaneous Charging Circuits
Input AC:	90~240V AC, 47~63Hz
Output Charging Terminals 1-2:	16.8V 2.5A
Output DC:	15V 4.5A
Size:	9 1/4 (L) X 5 1/4 (W) X 8 (D) inches
Weight:	7 pounds
Suggested operating temp:	15-95°F 10~35°C

Not compatible with batteries other than Lithium Ion chemistry.