

# What to Do if Charging is Interrupted or Cannot Be Started

Check to see if any of the following have occurred if the charger shuts off before the nicad battery reaches delta peak (a nicad battery which has reached delta peak will become warm).

- ◆ The main power supply voltage has dropped (to 10V or less).
- ◆ The temperature of the case has risen (to roughly 70°C) due to continuous operation of the unit.
- ◆ The terminal voltage (displayed on the LCD) has risen too much (to 16V or more) when recharging a deteriorated nicad battery.
- ◆ The nicad battery connectors have deteriorated, giving rise to a poor connection, or the soldering has deteriorated.
- ◆ The contact at the output terminals is bad.
- ◆ The polarity of the nicad battery connections has been reversed.
- ◆ A fuse (15A) has blown.

## Notes on Use

- ◆ This unit is designed for input voltage of 12V to 16V. Do not use input voltage outside of this range.
- ◆ When using a car battery, this unit should be located away from the car.
- ◆ This unit will become warm in the course of normal charging. While using this unit, do not place it on top of vinyl, plastic, or other materials that may melt. If either this unit or the nicad battery should become extremely hot during the charging process, stop charging immediately.
- ◆ Do not get this unit wet. Furthermore, do not use this unit with a main battery or a nicad battery that is wet. If this unit should become wet, take it to your dealer for servicing.
- ◆ Do not charge a battery while it is warm. Allow the battery to cool down first.
- ◆ Be sure to use only 15A fuses with this unit.
- ◆ After charging is complete, be certain to always disconnect this unit from the main power supply.
- ◆ Charge a nicad battery only after it has been depleted.
- ◆ Do not use this charger in hot surroundings (in a car, for example).
- ◆ Always monitor the unit while charging is in progress. If any abnormality should arise, take immediate action.
- ◆ Do not press on the face of the LCD. Doing so can cause permanent discoloration of the display.
- ◆ If the LCD is subjected to heat, such as direct sunlight, discoloration may result from the increase in temperature, but such discoloration will disappear when the LCD returns to normal temperature.

## Ratings

Operation type:	DC-DC converter, step-up type FET pulse charger
Autocutoff method:	Delta peak detection
Operational input voltage:	10 to 16V (12 to 16V recommended)
Recommended power supplies:	Battery - 12V, 35A or more Stable power supply - 13.8V, 10A or more
Charging current:	0 to 5A
Chargeable cells:	1 to 10 cells, 50mAh to 1700mAh
Trickle charge:	Approximately 120mA (a charging current of 0.5A or less results in trickle charge being cut off)
Dimensions:	140 x 82 x 33mm
Weight:	460g
Accessories:	Two pare fuses (15A)

# KO PROPO

**KONDO & CO., LTD.**

25-10 Sendagi 3-Chome,  
Bunkyo-ku, Tokyo, Japan

TEL: 03-3827-0051

03-3827-0052

FAX: 03-3827-0053