

ROCK LIGHT RL-C4 BATTERY CHARGER

LCD display • AA / AAA • Ni-MH / Ni-CD • 4 independent charging channels



PRODUCT IDENTIFICATION

Brand	Rock Light
Model	RL-C4
Product type	Ni-MH / Ni-CD battery charger
Battery size	AA / AAA
Channels	4 independent channels
Display	LCD
Input	100–240 V AC, 50/60 Hz
Output	1.2 V DC, 2000 mA
Manufacturing	Made in China

1. PRODUCT OVERVIEW

Rock Light RL-C4 is an AA/AAA rechargeable battery charger for Ni-MH and Ni-CD cells. The supplied product photographs and package label identify four independent charging channels, LCD display, IC-controlled charging, individual red LED indication and multi-stage charging.

2. KEY FEATURES

FEATURE	DOCUMENTED DETAIL
Battery compatibility	AA / AAA Ni-MH and Ni-CD rechargeable batteries
Charging capacity	Charges 1–4 AA/AAA cells
Control	IC-controlled charging with 4 independent channels
Charging indication	Individual red LED charging indication; LCD display
Charging stages	CC, CV and trickle-charge stages
Protection / detection	Timer for overcharge prevention; ERROR indication for reverse/bad battery; over-temperature protection
Input range	100–240 V AC, 50/60 Hz

ELECTRICAL SPECIFICATIONS & CHARGING DATA

Values transcribed from the supplied RL-C4 product label and packaging

3. ELECTRICAL SPECIFICATIONS

PARAMETER	SPECIFICATION	SOURCE
Input voltage	100–240 V AC	Rear product label
Input frequency	50/60 Hz	Rear product label
Output	1.2 V DC, 2000 mA	Rear product label
Battery chemistry	Ni-MH / Ni-CD	Product label / package
Battery sizes	AA / AAA	Product label / package
Charging channels	4 independent channels	Package feature list
Maximum cell count	1–4 cells	Package feature list

4. CHARGING CURRENT CONFIGURATIONS

BATTERY TYPE	CELL CONFIGURATION	LABELLED VALUE
AA	4 cells	2000 mA × 4
AA	2 cells	1000 mA × 2
AA	3 cells	500 mA × 3
AA	4 cells	500 mA × 4
AAA	1 cell	1000 mA × 1
AAA	2 cells	500 mA × 2
AAA	3 cells	250 mA × 3
AAA	4 cells	250 mA × 4

5. CHARGING CONTROL & PROTECTION

FUNCTION	DOCUMENTED DETAIL
IC control	Charging controlled by IC with 4 independent channels
Charge stages	CC, CV and trickle charge
LED indication	Individual red LED charging indication
Overcharge	Timer provided to prevent overcharge
Battery error	“ERROR” indication for reverse battery / bad battery
Temperature	Over-temperature protection
Input compatibility	Worldwide 100–240 V AC, 50/60 Hz; suitable for 110 V and 220 V systems

IMPORTANT
Charge only compatible Ni-MH/Ni-CD rechargeable batteries. Do not charge 1.5 V alkaline or carbon batteries.
Do not mix batteries of different specifications or capacities.

PRODUCT IDENTIFICATION, LABEL & APPLICATION

Source-backed technical reference • no estimated specifications



LABEL / COMPLIANCE INFORMATION

ITEM	MARKING / VALUE
Model	RL-C4
Standards	IS 13252 (Part 1):2010 / IEC 60950-1:2005
BIS registration / mark	R-41179230
Input	100–240 V AC, 50/60 Hz
Output	1.2 V DC, 2000 mA
Country of origin	Made in China

6. PACKAGE & PRODUCT FEATURES

ITEM	DOCUMENTED DETAIL
Display	LCD display
Charging indication	Individual red LED indication
Channels	4 independent charging channels
Charging control	IC controlled; CC, CV and trickle-charge stages
Protection	Timer overcharge prevention; reverse/bad-battery ERROR; over-temperature protection
Compatibility	AA/AAA Ni-MH/Ni-CD; 1–4 cells
Input	Worldwide 100–240 V AC, 50/60 Hz

7. CAUTIONS

- Do not charge 1.5 V alkaline or carbon batteries; the product label warns of leakage or explosion.
- Do not mix batteries with different specifications or capacities.
- Use the charger only for Ni-MH/Ni-CD rechargeable batteries.

8. SOURCE & REVISION

Source basis: four user-supplied product/package photographs showing the RL-C4 model and its printed technical label. Specifications in this datasheet are transcribed from those source images. Datasheet revision R2.