

2.5.2 IC690CRG001

The IC690CRG001 Battery Charger is intended for use only with the IC690RBT001 rechargeable battery.

Specifications

Parameter	Specification
Input Power	100–240Vac, 50–60Hz, 0.35A maximum
Maximum output power	8W
Physical dimensions	90 x 45 x 32mm (3.55" long x 1.77" wide x 1.26" high)
Weight	115 grams
Operating Temperature range	0 to +60°C (32 to 140°F)

Operation

Charging begins when a battery pack is connected to the charger. The LED is initially orange, and changes to red when the fast charge starts. When the cells are fully charged, the charger goes into top-off charge mode before switching to trickle charge mode. During the top-off charge, the LED is green with short, intermittent orange flashes. When the top-off charge is complete, the charger goes into trickle charge mode, and the LED color changes to green.

If the charger detects a fault, the charger will stop the fast charge current and switch to trickle charge mode. The LED will then indicate *error* by blinking green and red. The fault condition can be caused by the battery pack, wiring, or the charger.

If input power is turned off, the charger will reset. The charger starts a new charge cycle when the power is turned back on.

Indicators

LED	Mode
Orange	No battery / Initialization
Red	Fast charge
Green/Orange	Top-off charge
Green	Trickle charge (fully charged)
Red/Green	Error

Charger Connection



Warning

Explosion Hazard - Recharge battery only in a non-hazardous location. Do not connect or disconnect the battery charger unless the area is known to be non-hazardous. The IC690CRG001 battery charger is not certified for use in hazardous locations.

Insert the charging jack into the threaded connector on the side of the battery and hand-tighten the screw lock to secure it.