

## Holder and Charging Specifications

Item no 530145, 532145 (Reference doc 311-1136)

# ICOM IC-F3002, IC-F4002

### Features & Benefits

- Always keep your battery fully charged
- Made of rugged thermal resistant black FT-140 ABS plastic
- Charges Li-Ion or Li-Polymer batteries
- Works in 12 and 24 volt vehicles
- Rapid and trickle charges radio
- Temperature control with overheat protection
- LED Red to Green charging status indicator
- Custom fit to hold device securely
- Allows one-handed insertion and removal of radio
- Works with or without belt clip on back of radio
- Charging cable attached to holder
- Comes in two versions; one with cigarette lighter plug and one for hardwire installation
- Attach to ProClip vehicle mount, directly to the dashboard, console wall, or any type of mounting bracket
- Designed and manufactured in Sweden

### Holder specifications item no 530145 – Charging Holder with Cigarette Lighter Plug

Material	Rugged thermal resistant black FT-140 ABS plastic
Dimensions (W x H x D)	64 x 91 x 21 mm
Weight	93 g / 0.20 lbs
Cable Length	46 cm
Attachment	AMPS hole pattern

### Holder specifications item no 532145 – Charging Holder for Hard Wire Installation

Material	Rugged thermal resistant black FT-140 ABS plastic
Dimensions (W x H x D)	64 x 91 x 21 mm
Weight	80 g / 0.17 lbs
Cable Length	180 cm
Attachment	AMPS hole pattern

## Charging Specifications

Lithium charging is based on CVCC (Constant Voltage Constant Current). The charging procedure is as follows:

If the battery is empty or has low charge a constant current charges the battery until the cell voltage reaches 8,4V. The LED emits red light. Hereafter the charge continues until the current goes down to 0A. The battery is now full and stays fully charged. A special designed voltage controller is monitoring that the cell voltage is within limit. The LED emits green light.

If the battery is used without disconnecting the charger, current is supplied directly resulting in a fast recovery.

Battery Chemistry	Li-ion or Li-Poly batteries
Input Voltage	11-30 V
Charging Voltage	8.4 V
Timer for Max. Charging Time	Automatic, stops at 8.4 V
Max. Charging Time	2-3 hours depending on battery capacity
Rapid Charge	1,2 A +/- 5%
Trickle Charge	0 to 50 mA
LED Charging Indicator	LED Red to Green indicator
Temperature Control	Controlled by battery
Operating Temperature	-40° C to + 50° C / -40° F to 122° F (can be restricted by battery chemistry)
RoHS Compliant	Yes
Input Transient Protected	Withstands +150V & -450V. A 2,5A fuse is mounted on the incoming supply.
Output Short Circuit Protected	The charger will supply a maximum current of 1,2 A which protects both the charger and the connected equipment. The current limit is set to standards of the producer and shall not be higher.
Compatible batteries	BP-265