



L3HARRIS®
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L3HARRIS RF-5853-CH2XX

Lithium Ion Battery Charger

GENERAL

Typical Charge Times	15 hours from complete discharge
Charger Cradle Indicator	Charger is powered on/idle
Amber Solid	Battery charging (charge is less than 90%)
Amber Flashing	Battery calibrating or custom SOC mode complete
Green Solid	Battery ready (battery fully charged or custom SOC mode complete)
Green Flashing	Battery charging (charge is greater than 90%)
Red Solid	Fault (battery may be faulty or require calibration)
Red Flashing	Charging on hold due to temperature (too hot or too cold)

SPECIFICATIONS

Size (H x W x D)	RF-5853-CH201: 4.7 x 3.9 x 9.5 in (11.9 x 9.8 x 24.1 cm) RF-5853-CH202: 4.7 x 6.6 x 9.5 in (11.9 x 16.7 x 24.1 cm) RF-5853-CH206: 4.7 x 17.7 x 9.5 in (11.9 x 44.9 x 24.1 cm)
Weight (without power supply cord)	RF-5853-CH201: 0.9 lbs (0.41 kg) RF-5853-CH202: 1.7 lbs (0.75 kg) RF-5853-CH206: 6.5 lbs (2.97 kg)
Finish	Black ABS material with EDM finish

ELECTRICAL

AC Input Voltage	100 to 240 VAC 50/60 Hz
DC Input Voltage	12 to 36 VDC
Power Supply	Power cords provided UL 94-V-0 flammability rated

ENVIRONMENTAL

Temperature	Operating: +32°F to +104°F (0°C to +40°C) Storage: -40°F to +158°F (-40°C to +70°C)
Cooling	Convection
Power Supply	Power cords provided UL 94-V-0 flammability rated



The RF-5853-CH2XX Lithium Ion Battery Charger is used to charge high capacity 12041-2200-XX, 12041-2400-XX and 12500-2500-XX lithium ion battery packs for Falcon® handheld radios. These chargers are available in one-, two- and six-bay configurations. They support power input from AC and DC sources and, in addition to battery conditioning support, can recover a unit which has been overcharged.

The RF-5853-CH2XX features smart battery technology to accelerate charging to each battery's full capabilities, and an easy-to-read LCD display gives users quick power status. To meet new requirements to have lithium ion batteries below a 30% state of charge to air ship, the charger has a custom mode to charge or discharge a battery to the 30% state. This setting is fully customizable to meet future requirement changes.

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