

# Dolphin® 9000 Series QuadCharger™ Device

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## Four-Slot Battery Charger

The Dolphin 9000 Series QuadCharger device is a four-slot battery charger for the lithium ion (Li-ion) batteries used in Dolphin 9500 and 9900 mobile computers. Li-ion batteries charge to full capacity in 5 hours.

Each charging slot works independently to control the charging of individual battery packs. The QuadCharger device provides extremely accurate current and voltage regulation, temperature monitoring, and charge termination to optimize lithium ion battery performance in Dolphin terminals.

To assist you with battery maintenance, the QuadCharger device comes equipped with an additional Battery Analyzer. It analyzes Li-ion batteries and displays their remaining capacity with special indicator LEDs at the end of each cycle.

The QuadCharger device weighs 18 ounces (510 grams) without batteries and contains a DIN rail along the bottom panel to enable desk/bench or wall mounting. Its rugged design operates in harsh environments.

Status LEDs indicate charging progress in each slot and notify the user when charging is complete or when an error has occurred.



## Features

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- **Capacity:** Charges up to four batteries in five hours.
- **Intelligent Battery Charging Technology:** Prevents over- and under-charging.
- **Battery Analyzer:** Analyzes Lithium Ion (Li-ion) batteries and provides a readout of their remaining capacity for enhanced battery maintenance.
- **Status LEDs:** Indicates the charging status.
- **Rugged Ergonomics:** Compact design for desktop or wall-mounting.

# Technical Specifications

## Supported Mobile Computers

- Dolphin 9500 Series
- Dolphin 9900 Series

## Structural

<b>Dimensions (L x W x H):</b>	11.7 in. x 5.2 in. x 1.5 in. (29.7cm x 13.2cm x 3.8cm)
<b>Weight:</b>	18 oz. (510g)
<b>Material:</b>	PC/ABS
<b>Color:</b>	Blue/Gray
<b>Mount:</b>	Desktop/bench or wall
<b>Batteries Held:</b>	Supports 1 to 4 batteries

## Environmental

<b>Operating Temperature:</b>	14° to 122°F (-10° to 50°C)
<b>Storage Temperature:</b>	-4° to 158°F (-20° to 70°C)
<b>Charge:</b>	32° to 113°F (0° to 45°C)
<b>ESD:</b>	8 KVA
<b>Humidity:</b>	90% relative humidity (non-condensing)

## Power Supply

<b>Input (Universal):</b>	90-265V, 47-63Hz
<b>Output:</b>	12VDC, 3A
<b>Input Connection:</b>	2 Position IEC 320-C8

## Charging Modes

<b>Standard Charge:</b>	Completes 100% charge in 4 hours
<b>Analysis:</b>	Completely charges and discharges battery in 14 hours. Resets and calibrates battery data to ensure terminal battery status is accurate

## LEDs

<b>Power LED:</b>	Indicates power to charger and charger properly initialized	
<b>Battery Status LED:</b>	<b>Orange</b>	Indicates battery pack is being charged
	<b>Red</b>	Indicates faulty battery
	<b>Green</b>	Indicates battery charged and ready for use

## Battery Analyzer

<b>Charge/Analyze Slot:</b>	The fourth slot runs Li-ion batteries through an analyze cycle that resets and re-calibrates their gas gauge, indicating their capacity at the end of the cycle.	
<b>LED Bank:</b>	Shows battery capacity readout at the end of the analyze cycle.	
<b>Battery Status LED:</b>	<b>Solid Green</b>	Indicates that the battery has completed the analyze cycle.
	<b>Flashing Orange</b>	Indicates that the battery is being analyzed.
	<b>Solid Red</b>	Indicates an error occurred during the analyze cycle.

## Agency Approvals

<b>Power Supply:</b>	UL listed (UL 1950), TUV licensed (EN60 950STD) Power Supply compliant to FCC part 15 Class B
<b>Charger:</b>	CE Marking (EMC); CISPR Pub 22, FCC Part 15 Class B

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