



# 2110M MANPACK CHARGERS

Codan's 2110M Transceiver features an intelligent battery management system that continuously displays the battery condition and charging state, giving you the confidence you need for reliable critical communications. A range of chargers are available to tailor the 2110M Manpack Transceiver to your mission requirements.

## BATTERY CHARGERS

Codan offers a complete range of battery chargers ideal for use in the field:

- AC and DC low noise battery chargers
- Fast AC battery charger
- Hand-powered battery charger
- Solar battery charger

These battery chargers can be used with all battery types.

The chargers have LED indicators to show that input power is available and the status of the current charging progress. Their wide input voltage range allows for a range of supply sources.

### Low noise AC and DC battery chargers

There are two types of low noise battery chargers available for either AC or DC sources, the **AC-DC 3121** and **DC-DC 3122**.

Importantly, the low noise chargers enable charging close to the transceiver without causing interference during transceiver operation.

A number of detachable output and input leads are available to provide the option of charging the battery via the transceiver's front panel or by direct connection to the battery.

The front panel input enables charging while operating the transceiver.



*Low noise AC-DC Battery Charger 3121*

### Fast AC battery charger

Codan's fast **AC 3123** Battery Charger charges the battery directly and 3x faster than the low noise types. It does not support charging via the front panel.

The **3123** is recommended when using the Manpack with multiple battery packs so the transceiver can be powered via one battery pack while the other is recharged.



*Fast AC Battery Charger 3123*

### Solar battery charger

A rugged, foldable 15 W solar battery charger that uses solid state, thin film solar technology to meet your mobile power needs. It charges the battery by direct connection to the battery or via the transceiver's front panel.

The charger is lightweight, weatherproof, UV resistant, and durable with a tough rip-stop nylon backing.



*2110M Solar Battery Charger*

### Hand-powered battery charger

A portable hand-powered battery charger that is compact, lightweight, and encased in a robust and waterproof aluminium housing. It charges the battery by direct connection to the battery or via the transceiver's front panel.

The charger comes with easy to use accessories, including a foot stand and tree clamps, for simple operation in the field — all stored in a convenient canvas carrying case.



*2110 Hand-powered Battery Charger*



## SPECIFICATIONS

	3121/3122/3123 Battery chargers	Solar Battery Charger	Hand-powered Battery Charger
Voltage Input	<b>3121</b> 90 to 264 V AC 50/60 Hz <b>3122</b> 12 to 60 V DC <b>3123</b> 90 to 264 V AC 50/60 Hz		
Output	15.5 DC	15 W	13.8 to 16.2 V DC
Current	<b>3121</b> 1 A DC maximum <b>3122</b> 1 A DC maximum <b>3123</b> 3 A DC maximum	0.78 A	1.15 to 1.35 A
Operating temperature range	0 to +40°C	-40 to +80°C	-25 to +55°C per MIL-STD-810E
Storage temperature range	-30 to +40°C		-45 to +55°C per MIL-STD-810E
Connector	<b>3121 &amp; 3122</b> Detachable output leads for charging via 2110 front panel connector or battery connector Detachable input leads allowing for selection of input source (AC or DC) <b>3123</b> Fixed output lead for direct connection to the battery	Output lead with inline voltage limiter and detachable leads for charging via 2110 front panel connector or battery connector	Detachable output leads for charging via 2110 front panel connector or battery connector
Dimensions	80 mm W x 160 mm D x 30 mm H	Folded: 218 mm W x 267 mm D x 19 mm H Deployed: 533 mm W x 711 mm D x 2.54 mm H	140 mm W x 90 mm D x 215 mm H
Weight	<b>3121</b> 0.5 kg <b>3122</b> 0.4 kg <b>3123</b> 0.4 kg	0.7 kg	2.7 kg
Material	ABS plastic	Nylon	Aluminium
Colour	Black	Black	NATO green mat
Approvals	CE, C-tick		
Environmental	IP20		MIL-STD-810E

### Your Distributor/Dealer:



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