

## Patrol 2110 MANPACK CHARGERS

### ➤ FEATURES AT A GLANCE

- Variety of battery charger types to meet all mission requirements
- Easy to use in the field
- Uninterrupted transceiver operation during charging
- Intelligent battery management system

Codan's 2110 Transceiver features an intelligent battery management system that continuously displays the battery condition and charging state, giving you the confidence you need for reliable secure communications.

### BATTERY CHARGER TYPES

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.



### 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.



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## SOLAR BATTERY CHARGER

A rugged, foldable 20 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.



## 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.



## SPECIFICATIONS

	3121/3122/3123 BATTERY CHARGERS	SOLAR BATTERY CHARGER	HAND-POWERED BATTERY CHARGER
<b>Voltage Input</b>	3121 90 to 264 V AC 50 / 60 Hz 3122 12 to 60 V DC 3123 90 to 264 V AC 50 / 60 Hz		
<b>Output</b>	15.5 DC	20 W (15.4 V)	13.8 to 16.2 V DC
<b>Current</b>	3121 1 A DC maximum 3122 1 A DC maximum 3123 3 A DC maximum	1.2 A	1.15 to 1.35 A
<b>Operating temperature range</b>	0 to +40°C	-40 to +80°C	-25 to +55°C per MIL-STD-810E
<b>Storage temperature range</b>	-30 to +40°C		-45 to +55°C per MIL-STD-810E
<b>Connector</b>	3121 & 3122 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) 3123 Fixed output lead for direct connection to 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
<b>Dimensions</b>	80 mm W x 160 mm D x 30 mm H	<b>Folded:</b> 279 mm W x 165 mm D x 26 mm H <b>Deployed:</b> 762 mm W x 805 mm x 1.5 mm H	140 mm W x 90 mm D x 215 mm H
<b>Weight</b>	3121 0.5 kg 3122 0.4 kg 3123 0.4 kg	0.6 kg	2.7 kg
<b>Material</b>	ABS plastic	Nylon	Aluminium
<b>Colour</b>	Black	Black, Digital Camo	NATO green mat
<b>Approvals</b>	CE, C-tick		
<b>Environment</b>	IP20		MIL-STD-810E

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