

CODAN Solar Power Supplies

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CODAN Code 531, 532 and 533 Solar Power Supplies utilise the photovoltaic effect to convert light energy into electrical energy. They are ideal for locations where the AC mains supply is either unreliable, non-existent or too costly.

Key features

Cost-effective

Solar power supplies are cost-effective alternatives to petrol or diesel driven motor generators. They do not have the associated costs of fuel supply maintenance.

Suitable for most applications

The supplies are suitable for the majority of 12 volt HF SSB transceiver applications, especially where the receiver is operating for all or part of any day and the transmitter is used at regular periods throughout the day.

Alternative packages available

Alternative packages using solar panel assemblies of either greater or lesser capacity can be tailored to your specific application. Please contact your CODAN representative for details.

Code 531

The Code 531 is for light duty applications and is rated at 2.7 amps. The power supply package consists of a 40Watt solar panel complete with a mounting frame, anti-bird spike, regulator, six metre length of heavy duty twin core cable, and two battery lugs.



Code 532

The Code 532 is for heavy duty applications and is rated at 5.4 amps. The package consists of two 40Watt solar panels, complete with a mounting frame, anti-bird spike, regulator, six metre length of heavy duty twin core cable, and two battery lugs.

Code 533

Code 533 is for heavy duty applications and is rated at 15.2 amps. The package consists of four 60Watt solar panels, complete with a mounting frame, anti-bird spike, regulator, six metre length of heavy duty twin core cable, eight battery lugs, and three sets of battery paralleling cables.

Note:

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Batteries are not included with the power supply packages as, in most cases, they are more conveniently and economically purchased locally. However, if batteries are required, they can be supplied with the selected supply and are usually freighted dry charged.

Single panel technical specifications

Peak power	40W
Voltage	17.1 V at peak power
Current	2.34 A at peak power
Short circuit current	2.53 A
Open circuit voltage	21.1 V
Nominal current	2.47 A at 14 V and 45°C
Size and weight	502 mm H x 766 mm W x 50 mm (as mounted); 5.3 kg
Packed weight	Code 531 power supply package: 9 kg Code 532 power supply package: 17 kg Code 533 power supply package: 32.5 kg

Accessories

Code	Purpose
121	2-module clamp suitable for locking 3020 with another unit of compatible mechanical design

170	Rack mounting frame (483 mm) for type 3020 - iridescent black
561	Box suitable for housing storage battery. Internal dimensions: 180mm W x 310mm D x 250 mm H
702	Cable kit for float charging lead-acid storage battery for uninterrupted supply

Solar Batteries - Codan