

# Power supplies

The **3020 Transceiver Supply** is designed to interface with Codan transceivers for voice, data or fax communications. It operates over a wide range of mains supply voltages, and is fully auto-ranging between 100 and 240 V nominal.

## KEY FEATURES

### Rugged design

The 3020 Transceiver Supply is small and lightweight, and has been designed to withstand the toughest conditions. It offers the following protection:

- Input protection—the 3020 is protected against mains voltages that may vary outside normal tolerances.
- Output protection—if the output voltage is too high or too low, the 3020 will automatically shutdown.

Also, the 3020 is electronically over-load and short circuit protected.

- Thermal protection—the 3020 offers protection against extreme ambient temperatures and poor ventilation.

### Un-interrupted supply

The 3020 is capable of charging and maintaining an externally connected lead-acid battery. When used with a code 702 kit, this facility provides a continuous supply to the transceiver in the event of a mains failure.

## OTHER FEATURES

### Front panel display

A Bi-Colour LED and green mains switch, mounted on the front panel, provides a clear indication of the 3020's condition.

### Service and Support

Codan customers are supported with our worldwide network of Accredited Service Centres. Regular auditing and training by Codan technical staff ensure the best after sales service. A three year warranty is available to every registered user.

## SPECIFICATIONS

### 3020

Input voltage	Operates over: 100–240 V AC $\pm 10\%$ (50/60 Hz)*
Input VA	250 VA at 16 A DC output current
Output voltage	13.8 V DC
Output current	16 A DC continuous duty to 60°C ambient 20 A DC peak speech
Cooling	Fan forced air—thermally controlled
Size and weight	210 mm W x 230 mm D x 80 mm H; 1.9 kg
Regulation	Less than 0.1 V DC over no-load through to full load conditions for full input voltage range
Mains connection	Via IEC type socket at rear of unit



3020 transceiver supply

The **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 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 40 Watt 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 40 Watt solar panels, complete with a mounting frame, anti-bird spike, regulator, six metre length of heavy duty twin core cable, and two battery lugs.

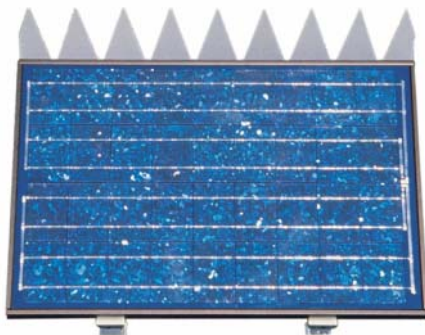
### Code 533

The Code 533 is for heavy duty applications and is rated at 15.2 amps. The package consists of four 60 Watt 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: 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 SPECIFICATIONS

Peak power	40 W
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



Single panel assembly



## 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: 180 mm W x 310 mm D x 250 mm H
702	Cable kit for float charging lead-acid storage battery for uninterrupted supply

Equipment descriptions and specifications are subject to change without notice or obligation

### Your Distributor/Dealer:



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