

3020 TRANSCEIVER SUPPLY

FEATURES AT A GLANCE



- Rugged design
- Stable regulation
- Low noise output
- Uninterrupted supply

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, providing full auto-ranging between 100 and 240 V nominal.

RUGGED DESIGN

The 3020 Transceiver Supply is small, lightweight and rugged. It is designed to withstand the toughest conditions by providing:

- Input protection against input mains voltage fluctuations that may vary outside normal tolerances.
- Output protection from over-load and short circuits, as well as automatic shutdown for over and undervoltage conditions.
- Thermal protection against extreme ambient temperatures and poor ventilation through fan cooling and over temperature shutdown.

STABLE REGULATION

Output voltage regulation provided by the 3020 is extremely stable with a variation of less than 0.1% from no load to full rated output of 20 Amps.

LOW NOISE OUTPUT

For best performance, HF transceivers require an extremely low noise power source so that receiver sensitivity is not degraded. The 3020 delivers less than 100 mV of ripple and noise.

UNINTERRUPTED SUPPLY

The 3020 is capable of charging an externally connected lead-acid battery. When used with a float charge cable kit, the 3020 provides a continuous supply to the transceiver in the event of a mains failure.

SPECIFICATIONS

Input voltage	100 to 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 on peak speech
Output regulation	Less than 0.1% over no-load through to full load conditions for full input voltage range
Ripple & noise	<100 mV
Cooling	Fan forced air — thermally controlled
Size & weight	210 mm W x 230 mm D x 80 mm H; 1.9 kg
Mains connection	Via IEC type socket at rear of unit

ACCESSORIES

3RU rack-mounting frame (483 mm) for type 3020 — black

Cable kit for float charging lead-acid storage battery for uninterrupted supply

CODAN™ is a trademark of Codan Limited. Other brand, product and company names mentioned in this document are trademarks or registered trademarks of their respective holders.

Values noted are typical. Equipment descriptions and specifications subject to change without notice or obligation.



www.codanradio.com

RADIO COMMUNICATIONS

12-20045 Issue 14 3/2012

T: +61 8 8305 0311 ▪ F: +61 8 8305 0411 ▪ E: sales@codanradio.com
Codan Limited ▪ 81 Graves Street ▪ Newton South Australia 5074 ▪ Australia