

# POWER SOLUTIONS

## 3020 TRANSCEIVER SUPPLY

**The 3020 Transceiver Supply provides a highly reliable power source for Codan Transceivers operating at high duty cycle in voice and data modes.**



### 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 under-voltage 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.

### ACCESSORIES

- 3RU rack-mounting frame (483 mm) for type 3020 – black.
- Cable kit for float charging lead-acid storage battery for uninterrupted supply.

### 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 +/-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<br>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                                                    |
| Temperature range | -30 to 60°C (16 A continuous load current)<br>-30 to 45°C (25 A continuous load current) |
| Size & weight     | 210 mm W x 230 mm D x 80 mm H;<br>1.9 kg                                                 |
| Mains connection  | Via IEC type socket at rear of unit                                                      |

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

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