

3520 TRANSCEIVER SUPPLY

➤ FEATURES AT A GLANCE



- Extremely low RF noise
- Suits 25 and 125 W systems
- Universal mains input
- 25 A output current
- Supports standby battery
- Protected against fault conditions
- Fault status indicator
- Lightweight and compact
- MIL-STD-810G environmentals
- Installs into 2110 Cradle
- Shock mount available
- Auxiliary 12 V DC output for powered speaker

The 3520 Transceiver Supply is an extremely rugged, lightweight and compact unit that provides stable DC power from AC mains for Codan's 25 and 125 watt Transceiver systems.

LOW NOISE

Unlike commercially available power supplies the 3520 is specifically designed to power sensitive radio equipment — the extremely low conducted and radiated emissions eliminate interference with communications.

FULL PROTECTION

The 3520's universal AC mains input is protected against over-voltage, excessive inrush currents, and voltage transients. The DC output is protected against short-circuit, under-voltage and over-voltage in the case of fault conditions, and features fold-back current limiting. The supply will shut down if it is exposed to excessive temperatures. Fault conditions are indicated by a status LED.

STANDBY BATTERY SUPPORT

The 3520 supports parallel connection of a standby battery to provide power in the event of mains interruption. When a flat battery occurs the 3520 limits charge current and precisely regulates the float voltage.



SPECIFICATIONS

Mains input voltage	100–240 V AC Nominal, ±10%, 50–60 Hz
DC output voltage	13.8 V ±0.1 V
DC output current (total)	25 A continuous <45°C (<113°F) ambient Derating linearly to 16 A at 60°C (140°F) ambient
Load regulation	-2% max, to full load
Line regulation	±0.1%
Temperature stability	±1.5%
Ripple and noise	<100 mV P–P
Operating temperature	–30 to +60°C (–22 to +140°F)
Operating humidity	95% RH non-condensing, max
Storage temperature	–40 to +70°C (–40 to +158°F)
Dimensions	300 mm W x 250 mm D x 95 mm H (11.8 in W x 9.8 in D x 3.7 in H)
Weight	3.1 kg (6.8 lb)
Colour	Black or green
Protection	AC over-voltage (275 V AC continuous, 440 V AC withstand) AC in-rush current (limited to 40 A) DC under/over-voltage (shut down <11 V or >17 V) DC over-current (fold-back at >25 A) Over-temperature shutdown Reverse polarity battery connection protected Fuse protected input and output
Compliance	C-Tick / CE / FCC / UL / D-Mark / EU RoHS

ACCESSORIES

Mounting hardware	Vehicle Mounting Cradle Vehicle Shock Mount
Cables	Mains input, 2 m cable with USA / UK / EU / AU plug DC output, 2 m cable to suit NGT™, 2110M or 2110M / 3160 system



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



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RADIO COMMUNICATIONS

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