



Chassis Mount Series DC Power Supply



The Codan Chassis Mount Series component DC power supply is designed for global markets, and features universal power factor corrected AC input, efficiency of 90%, ultra low FCC class B emissions, and is designed to meet global regulatory standards. Extended range operating temperature with temperature-controlled cooling fan and threaded mounting positions make the Chassis Mount Series ideal for demanding or enclosed location applications.

Output voltage is adjustable between 12.0 and 15.5 VDC. The Chassis Mount Series also incorporates current-limited battery backup terminals for float charging a battery.

ELECTRICAL SPECIFICATIONS

Input Voltage Range	100-265VAC
Frequency	50/60Hz
Power Factor	0.99 (typical, 120VAC input)
Efficiency (typical)	90% (typical, full load, 230VAC input)
Output Voltage	13.8VDC (+/- 0.5%)
Output Current (cont)	20 Amps
Current Limiting	21.0 Amps
Line Regulation	< 0.1%
Load Regulation	< 0.2%
Output Ripple (typical)	< 25mV rms
Cooling	Fan Cooled
Input Connector	3 Position Terminal Block
Output Connector	4 Position Terminal Block

ENVIRONMENTAL

Operating Temperature Range	-30C to +60C (derate > 50C)
Storage Temperature Range	-40C to +70C
Operating Environment	Indoor, Pollution Deg 2

MECHANICAL

Height	1.74 inches (47 mm)
Width	4.25 inches (107 mm)
Depth	7.97 inches (203 mm)
Weight	2.05 lbs. (0.93 kg)
Mounting	4 Integrated PEM Nuts #6-32
Grounding	6-32 stud located near input connector

REGULATORY

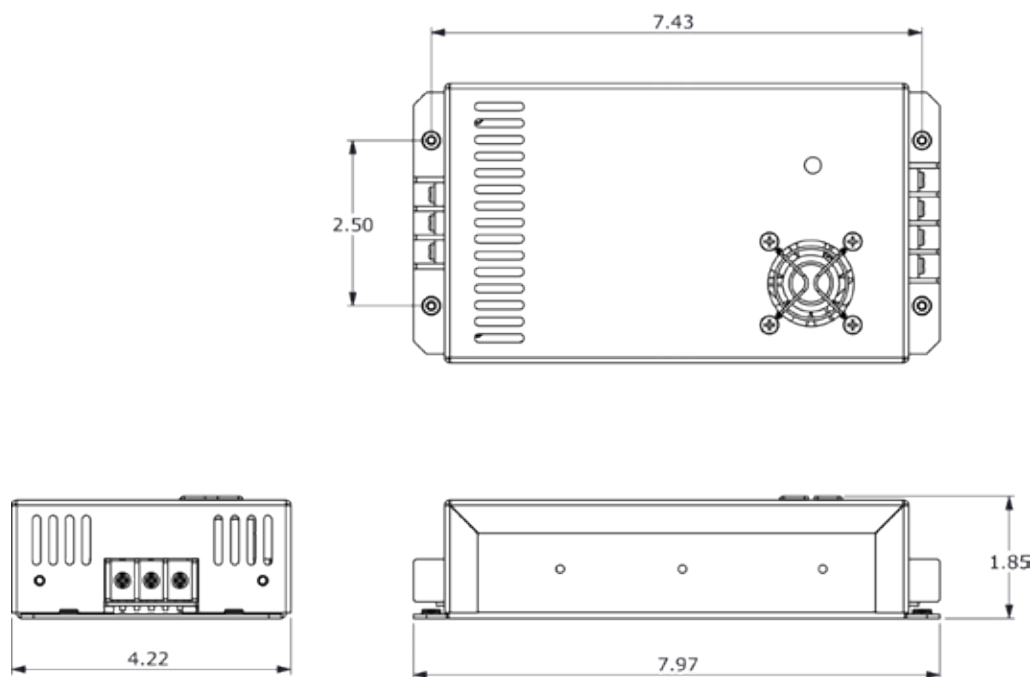
CSA/UL 60950-1, CB Report, designed to meet CE/EMC (EN61000-6-3, EN61000-3-2, EN61000-3-3, EN61000-4-2/3/4/5/6/11), FCC Part 15 Class B

PROTECTION FEATURES

- Input fuse to guard against AC input over current faults
- Output fuse to protect against reverse battery connection or output circuit fault
- Current limited battery float charge to prevent battery damage
- Over temperature shutdown
- Over voltage protection shuts downs output automatically
- AC input under voltage shutdown with automatic restart
- Constant current control of output with foldback



OUTLINE DRAWING



ORDERING INFORMATION

DESCRIPTION

Chassis Mount DC Power Supply, 100-265VAC, 50/60Hz AC input, 12 Volt 20 Amp continuous output. Adjustable output voltage range 12.0 - 15.5VDC.

Model Number

ICT24012-20CM/DE