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# RF-7850A-PS001 POWER SUPPLY



The RF-7850A-PS001 is a very low-profile, ruggedized solution supporting deployment of the RF-7850A-UA Unmanned Aircraft Networking Radio in platforms using MIL-STD-704 compliant VDC power. This high-efficiency DC/DC-mounted power supply converts 28 VDC to 12 VDC for the UA. It includes EMI filters, input/output isolation capabilities, zero voltage switching technology and over-voltage and over-temperature shutdowns with auto recovery.

GENERAL	
Part Number	RF-7850A-PS001
Supports Product	RF-7850A-UA001
TRANSMITTER	
Power Output	12 VDC/5A
POWER	
Power Input	18-48 VDC
EMI / EMC	
MIL-STD-461E	CE101, CE102, CS101, CS114, CS115, CS116, RE102, RS103
PHYSICAL	
Dimensions	0.42 H x 5.3 W x 3.0 D in (1.6 H x 13.46 W x 7.62 D cm)
Weight	0.40 lbs (~ 180 gm)
Heat Dissipation Area	15.16 in <sup>2</sup>
ENVIRONMENTAL	
Temperature	Operating: -67°F to +185°F (-55°C to +85°C) Storage: -67°F to +257°F (-55°C to +125°C)
Altitude Shock & Vibration Sand/Dust/Salt Fog/Rain Humidity	MIL-STD-810G
OPTIONAL ACCESSORIES	
12178-5610-01	Integration Kit
12178-5620-01	Bench-top Cable Kit
TECHNICAL PUBLICATIONS	
10515-0532-4100	Quick Reference Guide

RF-7850A-PS001 Power Supply

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