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L3HARRIS RF-7800W-PS104

Rugged Power Supply

GENERAL	
RT Nomenclature	RF-7800W-PS104
Compatibility	RF-7800W-OU47x, -OU50x, -PA50x, -RP47x/50x
AC Input Voltage	85 VAC to 265 VAC, 47 Hz to 440 Hz
DC Input Voltage	10.5 - 34.5 VDC
Input Protection	Reverse protection, under voltage, surge protection, and inrush current
DC Output	+52 VDC
Standby Power	AC power priority with uninterrupted switch over to DC backup power
Power Consumption	250 watts max
PHYSICAL	
Dimensions	4 H x 7.5 W x 12.5 D in (10.16 H x 19.05 W x 31.75 D cm)
Weight	12 lbs (5.44 kg)
Color/Finish	Powder coat black
ENVIRONMENTAL	
Shock and Vibration	MIL-STD-810G
Immersion	MIL-STD-810G
Temperature	-40°F to +140°F (-40°C to +60°C) operational -40°F to +158°F (-40°C to +70°C) storage
Sand/Dust/Salt Fog/Rain	MIL-STD-810G
Humidity	MIL-STD-810G
Altitude	MIL-STD-810G 20,000 ft operational
INTERFACES	
AC Input	J6 - MS3114E12-3P
DC Input	J7 - MS3114E14-5P
LED Indicator	Green (power)
Ethernet Ports	J1 and J2 - 10/100/1000 Ethernet with POE++ (type 2 copper)
DC Output	J8 - MS3114E12-8SW
Ground	10-32 x 3/8 in screw (MS51958-61B)
STANDARD KIT	
10181-9831-009	U.S. style AC power cable



The L3Harris RF-7800W-PS104 is a rugged power supply designed for use with the RF-7800W family of radios. The power supply provides two Power over Ethernet ports as well as a DC output which is capable of powering the RF-7800W radio system with a power amplifier. The second Ethernet port may be used to connect to network infrastructure up to 100 meters away. Alternatively, the second Ethernet port may be used to power a second RF-7800W radio system forming a simple repeater station, which may be used to extend range and establish communications over Line-Of-Sight obstructions.

ADDITIONAL ACCESSORIES

RF-7800W-PA50x	External power amplifier for OU47x/OU50x
12069-3950-Axxx	DC power cable (PS104 to PA50x), -A015 (15 ft), -A100 (100 ft), -A300 (300 ft)
12069-0030-Axxx	Ethernet PoE cable with backshells (PS104 to OU47x/OU50x), -A006 (6 ft), -A015, -A100, -A240, -A300
12069-1032-A015	DC input cable unterminated 15 ft
J85-0022-001	Europe zone AC plug conversion adapter
J85-0023-001	UK zone AC plug conversion adapter
Z52-0031-001	Australia zone AC plug conversion adapter
12069-3445-01	Mounting plate

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