

# RF-5051-PS001/RF-5054-PS001

AC Power Supply Series

ELECTRICAL	
Input Voltage	85-265 VAC, 47-400 Hz
Input Power Factor Correction	>95% (85-265 VAC)
Input Protection	Circuit breaker
Output Voltage	+28 VDC $\pm$ 0.5
Regulation, Line Load	0.2% from low line to high line
Ripple and Noise	200 MV @ 30A
Voltage Stability	200 MV drift maximum
Efficiency	>80%
Over-Voltage Protection	Set to 28 $\pm$

The RF-5051-PS001 and RF-5054-PS001 high-performance AC power supplies support operation of Falcon II®, Falcon III® and RF-5000 systems from a VAC input range of 85 to 265 volts in base station, shipboard or transportable applications. The RF-5051-PS001 provides 28 volts DC at 30 amps for power up to 840 watts. This ruggedized solution uses the same mounting as the RF-5022R/T(E) Receiver/Exciter and is compatible with RF-5000 and RF-5800H family shock mounts and transport packages. The RF-5054-PS001 consists of two RF-5051-PS001 units connected in parallel to power for 400-watt Falcon® tactical systems.