

RUGGEDIZED, POWER SUPPLY (RPS)



TAMCN: A7705

ID: 10477B

NSN: 6130-01-475-4999

Functional Description

The Ruggedized Power Supply (RPS), PP-8474/G (18-30VDC), model 715875-1, is a general purpose power supply intended to support tactical equipment in the field or in a maintenance facility. The RPS is a MIL-T-28800 Type II, Class 2, Coverless Style A unit that converts 115VAC, 50/60Hz input power into regulated adjustable DC voltage. Model 713860-1 (ID 10477A/NSN 6130-01-452-8403) is capable of providing regulated DC voltage adjustable from 24-28 VDC and from 0-60 Amps and was fielded in limited quantities. Both versions are interchangeable in supporting electronics equipment, except DSESTS (TAMCN E1907G) which can only be supported by the 18-30 VDC version of the PP-8474/G.

Technical Description

Power Supply

Manufacturer: GE Aviation
 Model: 715875-1
 713860-1

Power

Input: 103.5 - 126.5VAC

Output:

Model 715875-1 18-30VDC @ 60 Amp
 Model 713860-1 24-28VDC @ 60 Amp

Frequency (Hz): 47-63

Dimensions

Length (in): 17
 Width (in): 8
 Height (in): 11.3
 Weight (lbs): 44
 Volume (ft³): 1

Temperatures

Operating: -40°F to +131°F
 Storage: -59.8°F to +159.8°F

Specifications

Input Connector: Cannon MS3102R22-2P
 Output Connector: Cannon MS3102R22-2S
 Power Cord: 6 to 9 ft with a 20A plug
 MTBF: 54,000 hrs

NOTES: The PP-8474/G Power Supply (models 715875-1 and 713860-1) was fielded with a 20-ampere connector on the input power cord. TI-10477-15/1 describes optional conditions for operating the PP-8474/G that includes using a 15-ampere adapter for facilities without 20-ampere circuits and receptacles.