

Power Line Protection and Conditioning –Aircraft (PLPC-AU) series

**Multi output channels High Power Full protected, MIL-STD-704,
Plug-In, Power Supply.**

General Description

PLPC-AU an aircraft multipurpose power distribution unit. The PLPC is designed to be installed on 28VDC aircraft power bus. The unit shown consists of one 28VDC input and two independent 28VDC/600W each, outputs. Total output power is 1200W.



Rear View - Output



Front View - Input

Typical Specifications

- MIL-STD-704A:
 - ✓ ESSL(Emergency battery or Engine Start) Input voltage: 16VDC
 - ✓ ASSL (Abnormal) input voltage: 30VDC
 - ✓ INPUT Rated Current: 60A max@16V DC
 - ✓ Transient surge: 80V@100mSec
 - ✓ Transient spike: ± 600Vpk@10µs
 - ✓ Ripple voltage: 2V p-p
 - ✓ Reverse polarity protection: included

- Output voltage:
 - ✓ 2 independent 28VDC/600W/20A 1200W total output

- Efficiency: 85% Typ. each channel

Environmental Conditions:

Fully comply with MIL-STD-810F:

Operating Temperatures:

- 40°C to 71°C

Storage temperatures:

- 40°C to 71°C

Vibration:

Method 514.5, Proc I, Cat 13 Propeller.

Shock:

20g X 11ms Saw Tooth

Humidity

Up to 95%

EMI performance per MIL-STD-461:

CE101, CE102, CS114, CS115, CS116,
RE101, RE102, RS101, RS103, RS105

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