

Power Line Filter and Protection –Aircraft (PLFP-AU) series

Plug-In Power Line Filter and Protector for MIL-STD-704

General Description

PLP-AU is an aircraft multipurpose power line protector and distribution unit. The PLP-AU is designed to be work on both 115VAC/400Kz/3 ϕ and 24VDC aircraft power bus. The units shown consist of two configurations for the same POD. One is for internal installation and the other is for external one.



Front View – Input (External)



Front View – Input (Internal)



Rear View - Output



Rear View - Output

Typical Specifications

- MIL-STD-704A:
 - ✓ ESSL(Emergency battery or Engine Start) Input voltage: 16VDC
 - ✓ ASSL (Abnormal) input voltage: 30VDC
 - ✓ INPUT Rated Current: 20A
 - ✓ Transient surge: 80V@100mSec
 - ✓ Transient spike: $\pm 600\text{Vpk}@10\mu\text{s}$
 - ✓ Ripple voltage: 2V p-p
 - ✓ Reverse polarity protection: included

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

- Efficiency: 85% Typ. each channel

Environmental Conditions:

Fully comply with MIL-STD-810F:

Operating Temperatures:	- 40°C to 85°C
Storage temperatures:	- 40°C to 70°C
Altitude	50,000ft
Vibration:	up to 15g RMS per Method 514.5.
Shock:	40g X 11ms Saw Tooth
Humidity	Up to 95%
EMI performance per MIL-STD-461:	CE101, CE102, CS114, CS115, FS116, RE101, RE102, RS101, RS103, RS105

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