



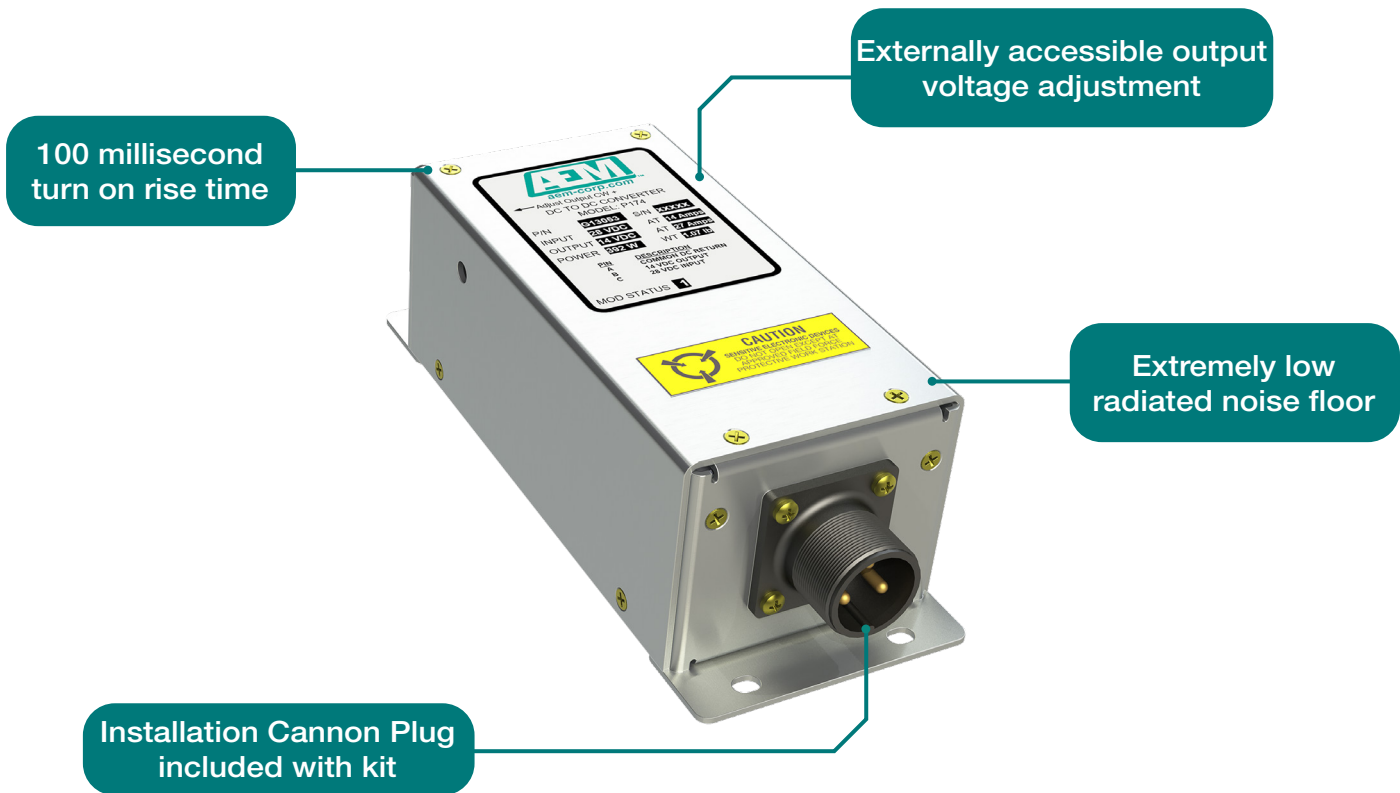
P174

28 to 12 VDC Power Converter

A power solution designed specifically for the requirements of heavily equipped aircraft.

Highlights

- **Simple** solution for the integration and powering of multiple, complex systems
- **Designed** to meet the tight tolerances of microprocessor-based equipment, offers superior stability, ripple and turn on rise times, thereby reducing false start ups and shortened lifespan in the power supplies of connected devices
- **Highest** Maximum Operating Temperature and Highest Efficiency



Certification

CERTIFICATION	AIRFRAME(S)
FAA / PMA STC SR02301SE	AS350B, BA, B1, B2, C, D, D1. AS355E, F, F1, F2. EC130B4, T2. EC-135P1, P2, P2+, T1, T2, T2+. BO-105A, C, LS A-1, LS A-3, S. Bell 206A, A-1, B, L, L-1, L-3, L-4. Bell 407.
FAA / PMA STC SR02407SE	MBB-117 (EC145) A-1, A-3, A-4, B-1, B-2, C-1, C-2, D-2. Bell 212, 412, 412EP, 412CF, 204B, 205A-1, B, 214B, B-1, 214ST.
Canada STC SH-14-37	AS350B, BA, B1, B2, C, D, D1. AS355E, F, F1, F2. BO-105A, C, LS A-1, LS A-3, S. Bell 206A, A-1, B, L, L-1, L-3, L-4. Bell 407.
EASA STC 10052094	EC-135P1, P2, P2+, T1, T2, T2+.
EASA STC 10052138	BO-105A, C, S.
EASA STC 10052139	Bell 206A, A-1, B, L, L-1, L-3, L-4. Bell 407.
EASA STC 10052140	AS350B, BA, B1, B2, C, D, D1. EC130B4, T2.
EASA STC 10052141	AS355E, F, F1, F2, N, NP.
Brazil CHST 2014S08-02	AS350B, BA, B1, B2, C, D, D1. AS355E, F, F1, F2. EC130B4, T2. EC-135P1, P2, P2+, T1, T2, T2+. BO-105A, C, LS A-1, LS A-3, S. Bell 206A, A-1, B, L, L-1, L-3, L-4. Bell 407.

Specifications

STANDARD SPECIFICATIONS	
Input Voltage	20 to 32 VDC
Input Current at Full Load	14.3 A (=94.8% efficiency)
Input Current at No Load	68 ma
Output Voltage	Adjustable, 12 to 15.5 VDC, regulated adj.pot access on side
Power Output	378 Watts, 448 watts peak
Output Current	27A at 14V
Regulation; Line	0.06%
Regulation; Load	0.7%
Overload (OL)	110% for 2 hour min.
Protection (OL)	Recovers with no damage
Protection (SC)	34 amps, I in 2.6 amps
Efficiency	93% typical
Temperature	-40 to 80C
Cooling	No Fan. Convection and thermal conduction through base
Finish	Gold Iridite per MIL-C-5541 Class 1A
Weight	1.07 lbs.
Size	2.75 W x 6.975 L x 2.24 H inches less protrusion of connector. No protruding screw heads.
Turn On Rise Time	
50% Load	90 msec
100% Load	110 msec

P174 MECHANICAL SPECS	
Height	2.24" [56.9 mm]
Width	2.75" [69.85 mm]
Length	6.975" [177.17 mm]
Weight	1.07 lb [0.49 kg]

For more details, please email:
products@aem-corp.com
 and see Installation & Operation
 manuals on our website:
aem-corp.com

LEADING
BY DESIGN