



## **EAGLE P174**

WORLDWIDE FLEET MANAGEMENT



### **27 AMP POWER CONVERTER**

The P174 Power Converter is a power solution designed specifically for the requirements of heavily equipped aircraft. The unit was also designed to meet the tight tolerances of micro-processor-based equipment with regard to stability, ripple and turn on rise times. The unit features an extremely low radiated noise floor allowing the use of multiple units without EMI emission levels which can cause squelch break symptoms in CHF communication radios.

With a 100 millisecond turn on rise time, the P174 Power Converter is specifically designed to work with processor based equipment that utilise switch mode type power supplies, thereby reducing false start ups and shortened lifespan in the power supplies of these types of equipment. The P174 Power Converter specifically addresses the problems most often encountered with the integration and powering of multiple complex systems.

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## 27 AMP POWER CONVERTER

### Specifications

Input Voltage	20 to 32 VDC
Input Current at Full Load	14.3A (=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
Regulation; Line	0.06%
Regulation; Load	0.7%
Overload (OL)	110% for 2 hour minimum
Protection (SC)	34 amps, I in 2.6 amps
Efficiency	93% typical
Temperature	-40 to 80° Celsuis
Finish	Gold Iridite per MIL-C-5541 Class 1A
Weight	0.485 kgs
Size	6.985W x 17.463L x 5.690H cms, less connector protrusion

### Certification

FAA/PMA STC SR02301SE Part 27	AS350 B, BA, B1, B2, B3, C, D, D1 AS355 E, F, F1, F2, N, NP
SR02407SE Part 29	EC130B4, EC130T2, EC135 P1, P2, P2+, T1, T2, T2+ MBB-BO 105 A, A-1, A-3, C, S MBB-BK 117 A-1, A-3, A-4, B-1, B-2, C-1, C-2 Bell 206 A, A-1, B, L, L-1, L-3, L-4, 407, 204B, 205A, 205A-1, 205B, 212, 214B, 214B-1 214ST, 412, 412EP, 412CF
Brazil STC 2014S08-02	AS350 B, BA, B1, B2, B3 AS355 F, F1, F2, N, NP EC130B4, EC130T2, EC135 P1, P2, P2+, T1, T2, T2+ MBB-BO 105 A-1, C, S Bell 206 A, A-1, B, L, L-1, L-3, L-4, 407
Canada STC SH08-51	AS350 B, BA, B1, B2, C, D, D1 AS355 E, F, F1, F2 BO-105 A, C, LS A-1, S, B Bell 206 A, A-1, B, L, L-1, L-3, L-4, 407
EASA 10036868	AS350 B, BA, B1, B2, C, D AS355 E, F, F1, F2 BO-105 A, C, LS A-1, LS A-3, S, B Bell 206 A, A-1, B, L, L-1, L-3, L-4, 407