

# PLANE POWER LIGHTWEIGHT ALTERNATORS



## PMA APPROVED ALTERNATOR REPLACEMENTS

Plane-Power Certified Alternators are PMA certified to replace any existing alternator in the aircraft and engine applications listed below. No STC paperwork required. All Plane-Power PMA alternators produce up to 70 amps. Your airframe/application may use only a portion of the available output as limited by the aircraft electrical system components and design. Every Plane-Power alternator is tested to exceed all quality and performance specifications. Plane-Power PowerFlex Voltage Regulators are also available separately.



Model	Brackets included	Part No.	Price
AL12-F60	No	07-00998	\$895.00
AL24-F60	Yes	07-00999	\$868.00
AL12-F60C	No	07-01256	\$842.00
AL24-F60C	No	07-01257	\$856.00

Model	Brackets included	Part No.	Price
AL24-F560	No	07-01491	\$943.00
AL12-P70	No	07-01001	\$935.00
AL24-P70	No	07-01002	\$995.00

Model	Brackets included	Part No.	Price
AL12-70	Yes	07-01258	\$998.00
AL24-70	Yes	07-01259	\$1,044.00
C28-150	N/A	07-01838	\$1,989.00

American Champion	OEM P/N	Model #
7ECA, 7GCAA, 7GCBC, 7KCAB, 8GCBC, 8KCAB	ALY-8420	AL12-P70
Beechcraft	OEM Part #	Model #
19A, B19, M19A, 23, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	33-380009-1	AL12-F60
19A, B19, M19A, 23, A23-19, A23-24, B23, C23, A24, A24R, B24R, C24R	ALE-8105A / ALE-8406	AL12-P70
76 Duchess, 77Skipper	ALY-8420	AL12-P70
76 Duchess	ALU-8421	AL24-P70
B19, C19, C24R	ALU-8421R	AL24-P70
Cessna	OEM P/N	Model #
177, 177A, 177B	C611501-0101	AL12-F60
172I, K, L, M, N, P, 177, 177A, 177B, 177RG	C611501-0102	AL12-F60
P206A, P206B, P206C, P206D, P206E, U206, U206A, U206B, U206C, U206D, U206E, TP206A, TP206B, TP206C, TP206D, TP206E, TU206B, TU206C, TU206E, 207, T207, 210B, 210C, 210D, 210E, 210F, T210F, T210G, T210H, T210J	C611501-0101	AL12-F60C
180H, 180J, 180K, 182J, 182K, 182L, 182M, 182N, 182P, 182Q, 182R, 185E, A185E, A185F, 188, P206C, U206C, U206D, U206E, U206F, U206G, TP206C, TU206B, TU206C, TU206E, TU206F, TU206G, TU206H, 207, T207	C611501-0102	AL12-F60C
180H, 182G, 182H, 185D, 210E	0750217-1	AL12-F60C
188, A188, A188A, A188B, 210K, T210K, 210G, 210H	1570213-6	AL12-F60C
152, A152, 172M, 172N, 172P, 172Q, 172RG, 177B, 177RG, R182, TR182	C611503-0102	AL24-F60
180J, 180K, 182P, 182Q, 182R, T182, U206E, U206F, U206G, U206H, TU206F, TU206G, 207, T207, 210K, 210L, 210M, 210N, 210P, P210N, P210R, T210K, T210L, T210M, T210N, T210R, A185F, 207A, T207A	C611503-0102	AL24-F60C
188, 188A, 188B, A188, A188A, A188B, T188C, 207, T207	1570213-7	AL24-F60C
172R, 172S, 182S*, 182T*, T182T*	9910591-5	AL24-F560
*S/N182001(1997) through 18281197(2004)	9910591-11	

Commander	OEM P/N	Model #
112, 112B, 112TC, 112TCA, 114, 114A, 114B, 114TC	LW14316	AL12-P70
Twin Commander Aircraft Corporation	OEM P/N	Model #
500-S	78314	AL24-P70
Diamond Aircraft Industries GmbH	OEM P/N	Model #
DA-40	ALU-8421LS	AL24-70*
Grumman (Gulfstream, Tiger)	OEM P/N	Model #
AA-1, AA-1A, AA-1B, AA-1C	ALE-6420 / ALY-6420 LW-14310	AL12-P70
AA-5, AA-5A, AA-5B, AG-5B, GA-7	DOFF-10300J	AL12-F60
AG-5B	ALU8421LS	AL24-P70
Mooney	OEM P/N	Model #
M20C, M20E, M20F, M20G, M20J	ALY-8420 / ALX-8403	AL12-P70
M20J	ALU6421LS	AL24-P70
M20M (Single alternator installations only)	ES-4009LS	AL24-P70
Piper (Without Airconditioning)	OEM P/N	Model #
PA-44-180, PA-44-180T	751 346	AL12-P70
PA-28-151, PA-32R-301 (SP), PA-32-301T, PA-32R, 301(HP), PA-32R-301T (SP), PA-32-301, PA-34-200, PA-38-112	551-984	AL12-P70
PA-24-260	ALX8403	AL12-70
PA-23-235, PA-23-250	ALX8403	AL12-P70
PA-23-235, PA-23-250	ALU-8403	AL24-P70
PA-44-180, PA-44-180T	ALX8421LS	AL12-P70
PA-28-140, PA-28-150, PA-28-151, PA-28-160, PA-28-180, PA-28-235, PA-28R-180, PA-28R-200, PA-32-260, PA-32-300, PA-32R-300	69670-00 (60 amp)	AL12-C60
PA-28-140, PA-28-151, PA-28-161, PA-28-180, PA-28-235, PA-28R-200, PA-32-300, PA-32R-300	69670-03 (60 amp)	AL12-C60
PA-28-151, PA-28-161, PA-28-181, PA-28-236, PA-28R-201, PA-28RT-201, PA-32-300, PA-32R-300, PA-32RT-300, PA-32RT-300T	69670-04 (60 amp)	AL12-C60
Vulcanair, S.P.A	OEM P/N	Model #
P68, P68B, P68C, P68C-TC, P68 "Observer", P68TC "Observer", P68 "Observer 2"	ALU-8421LS	AL24-P70

For Lycoming engines 235, 320, 360, 540, 720 and Superior engines O-360, IO-360, Plane-Power alternators AL12-P70, AL12-70\*, and AL24-70\* replace Lycoming and Superior certified 70amp alternators: LW14300, LW14302, LW14308, LW14310, LW14316, LW14319, LW14322, LW14324. \*Comes with all new Plane-Power mounting brackets and hardware.

## PLANE POWER LIGHTWEIGHT C14-100 ALTERNATOR

The Plane Power alternator can produce all 100 amps if proper size wiring, ammeter and circuit breaker are installed and approved. PMA replacement, requires only a log book entry. Aircraft electrical system will be limited by existing wiring and output circuit breaker. Weight: 13 Pounds. Warranty: 2-Year Limited. 14 volt, 100 amp alternator. Replaces Hartzell/Kelly, Crittenden, TCM 50 - 100amp alternators on TCM 520 and 550 Series engines. See [www.aircraftspruce.com](http://www.aircraftspruce.com) for complete application chart.

P/N 07-01948..... \$1,894.00

## PMA CONTINENTAL ALTERNATOR REPLACEMENT

The C28-150 is PMA FAA eligible on most Continental 520 and 550 Series engines with front mounted gear driven alternators. This Spectacular alternator in addition to providing a continuous 150A at X RPM will deliver 60A at 1000 RPM and weighing only 12.6 lbs! Also available without debris shield sold as model C28-150S. P/N 07-01838 ..... \$1,989.00

## LIGHTWEIGHT EXPERIMENTAL ALTERNATORS

Unlike automotive alternators, all Plane-Power Experimental Alternators are specifically engineered for Airplane Engines and have Dual Internal Fans designed for Airplane Engine Rotation the same as our Certified Alternators. 2 year warranty,

The **AL12-EI60** kit comes with an internally regulated ultra compact lightweight AIRCRAFT alternator (6.9 lbs.) with an exclusive internal crowbar over-voltage protection circuit. The alternator is fully pilot controllable through unique internal wiring. The dual internal fans are designed for aircraft engine rotation for maximum cooling. The AL12-EI60 kit includes the tension arm, mounting brackets, required AN hardware. 10 lb. 70amp also available. Also available 70 amp version only 2 additional lbs.

The **AL12-EI60-L**, Plane Power's 60A LSA alternator which must be installed in combination with Sky-Tec LSA starter, provides the industry's lightest charging/starting package at 13.2 lbs. for Lycoming's O-233, O-235, O-290, O-320 engines. Sky-tec starter to be purchased separately. Fits engines with 122 tooth ring gear and case mount engines.

The **EX14-50** 12/14 volt, 50 amp, internally regulated alternator with built-in Over-Voltage protection for use in EXPERIMENTAL Aircraft with small block Continental Engines. Includes Pre-Wired Enable Plug and Gaskets. Note: Overall Diameter: 4.4", Overall Length: 6". Use your existing drive gear and coupling. New gear and coupling also available separately. Warranty: 2-Year Limited Weight: 6.8 Pounds.

The **FS1-14 Fly Safe** back up alternator, internally regulated (13.6 volt +/-0.3) with built-in overvoltage protection. Designed for use in experimental aircraft. FS1-14. Features a 30A continuous output, precision internal voltage regulator, fail-safe Over Voltage Protection, Shear Coupling Assembly, 6lbs installed weight, higher level of safety. 2-Year Limited Warranty. Weight: 6 Pounds. 12 volt/30 amp. Also available as a primary unit sold as model FS1-14B.

Model	Output	Voltage	Part No.	Price
AL12-EI60/B (Boss Mount)	60	12	07-01313	\$899.00
AL12-EI60/C (Case Mount)	60	12	07-01313-1	\$898.00
AL12-EI70/B (Boss Mount)	70	12	07-01414	\$966.00
AL12-EI70/C (Case Mount)	70	12	07-01414-1	\$938.00
AL12-EE70/B (Boss Mount)	70	12	07-01005	\$917.00
AL24-EE70/B (Boss Mount)	70	24	07-01006	\$792.00

Model	Output	Voltage	Part No.	Price
AL12-EE70/C (Case Mount)	70	12	07-01005-1	\$916.00
AL24-EE70/C (Case Mount)	70	24	07-01006-1	\$878.00
EX14-50	50	12	07-01268	\$999.00
AL12-EI60-L	60	12	07-01839	\$884.00
FS1-14B	30	14.2	07-01883	\$1,176.00

CORE CHARGES APPLY TO ALL NEW AND OVERHAULED HARTZELL UNITS.