



IN WITH **THE NEW**

[PMA Certified](#)

[Gear Driven Conversion Kits](#)

[Belt Driven Conversion Kits](#)

[Experimental Kits](#)

[DOFF Series Replacement](#)

[Voltage Regulators](#)

About Plane-Power

As technology has evolved over the years, aircraft alternators have developed into a plethora of different configurations. Over a decade ago, Plane-Power was formed with a unique concept to simplify the aircraft alternator market, and keep the cost of alternators down vis-a-vis a custom-fit approach.

Commonizing on a small number of modern lightweight alternator designs, the Plane-Power line developed a variety of mounting kits to custom fit their alternators to the large variety of general aviation engines and aircraft.

Naturally, the business expanded using the same concept to develop a common voltage regulator in order to provide modern alternator conversion kits for aircraft that still used older generators - which have limited support. This solidified Plane-Power's status as the front-runner in alternators for kit aircraft, generator and legacy alternator conversions. The product line now covers nearly all general aviation aircraft applications.






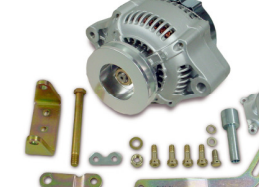



In 2014, Hartzell Engine Technologies LLC (HET) acquired Plane-Power with plans to continue and grow the product line. Now, the Plane-Power line complements the HET brand. Where the two lines overlap customers have the flexibility to select either a direct-fit HET unit or a Plane-Power conversion kit.

Together HET and Plane-Power have an alternator solution to meet any customer's need or budget.



PMA CERTIFIED ALTERNATOR KITS

These are complete kits which include everything you need to replace your current alternator using the existing belt and brackets. Where required, the kit will also include brackets, spacers and hardware.

		
<p>AL12-F60 Replaces 60 amp Ford alternator in most Cessna & Grumman aircraft with Lycoming engines</p>	<p>AL24-F60 Replaces 24/28V Ford, 60 amp alternator in most Cessna aircraft with Lycoming engines</p>	<p>AL12-C60 Replaces Chrysler 12/14 volt, 60 amp in Piper aircraft</p>
		
<p>AL12-F60C Replaces 60 amp Ford alternator in most Cessna aircraft with Continental engines</p>	<p>AL24-F60C Replaces 24/28V Ford, 60 amp alternator in most Cessna aircraft with Continental engines</p>	<p>AL12-70 Replaces LW-14316 alternators on Lycoming 320, 360, 540, and 720 engines.</p>
		
<p>AL12-P70 Replaces most Prestolite, 12/14 volt, 70 amp and smaller alternators on Lycoming engines found in many Grumman, Commander, Mooney & Piper Aircraft</p>	<p>AL24-P70 Replaces most Prestolite, 24/28 volt, 70 amp and smaller alternators on Lycoming engines found in many Grumman, Commander, Mooney & Piper Aircraft</p>	<p>AL24-70 Replaces LW-14324 alternators on Lycoming 320, 360, 540, and 720 engines.</p>

		
<p>AL24-FS60 Replaces most Ford, 24/28 volt, 70 amp and smaller serpentine belt driven alternators on Lycoming engines.</p>	<p>C28-150 Replaces 28v Hartzell/Kelly, Crittenden, TCM 50 – 100amp alternators on TCM 520 and 550 Series engines.</p>	<p>C28-150S Replaces 28v Hartzell/Kelly, Crittenden, TCM 50 – 100amp alternators on TCM 520 and 550 Series engines.</p>
		
<p>C14-100 Replaces 14v Hartzell/Kelly, Crittenden, TCM 50 – 100amp alternators on TCM 520 and 550 Series engines.</p>	<p>C14-100S Replaces 14v Hartzell/Kelly, Crittenden, TCM 50 – 100amp alternators on TCM 520 and 550 Series engines.</p>	



Alternator Replacements for Primary Alternators APPLICATION GUIDE BY AIRCRAFT

Plane-Power alternators are FAA PMA certified to replace the alternators listed for the following aircraft:

Valid 10/26/2011

Note:

- Installation requires only a logbook entry, No F.A.A. Form 337 required, on applicable installations.
- All PMA Approved Alternators state voltage in the name - e.g. - AL12 is 12 volt AL24 is 24 volt.
- Be certain you get the proper voltage Alternator for your airplane as some airplanes could be covered by 12 and 24 volt alternators.
- If the airplane originally had a generator check our Generator to Alternator Conversion Kits at www.plane-power.com/stc.pdf

American Champion	OEM Part #	PP Part #
7ECA, 7GCAA, 7GCBC, 7KCAB, 8GCBC, 8KCAB	ALY-8420	AL12-P70

Aviatt Husky	OEM Part #	PP Part #
Any	ALX-8421	AL12-P70 AL12-70

Beechcraft	OEM Part #	PP Part #
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

Daimond Aircraft Industries GmbH	OEM Part #	PP Part #
DA40	ALU-8421LS	AL24-70

Cessna	OEM Part #	PP Part #
177, 177A, 177B	C611501-0101	AL12-F60
172I, 172K, 172L, 172M, 172N, 172P, 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, 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, A185F, U206E, U206F, U206G, TU206E, TU206F, TU206G, 207, T207, 210K, 210L, 210M, 210N, 210R, P210N, P210R, T210K, T210L, T210M, T210N, T210R, 207A, T207A	C611503-0102	AL24-F60C
-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------	-----------

188, 188A, 188B, A188, A188A, A188B, T188C, 207, T207	1570213-7	AL24-F60C
-------------------------------------------------------	-----------	-----------

Cessna Continued	OEM Part #	PP Part #
172R, 172S, 182S*, 182T*, T182T*	9910591-5	AL24-FS60
*S/N182001(1997) through 18281197(2004)	9910591-11	

Commander	OEM Part #	PP Part #
112, 112B, 112TC, 112TCA, 114, 114A, 114B, 114TC	LW14316	AL12-P70

Grumman (Gulfstream, Tiger)	OEM Part #	PP Part #
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

Maule	OEM Part #	PP Part #
Any	ALX-8421	AL12-P70 AL12-70

Mooney	OEM Part #	PP Part #
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 - (All Without Air Conditioning)	OEM Part #	PP Part #
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 Part #	PP Part #
P68, P68B, P68C, P68C-TC, P68 "OBSERVER", P68TC "OBSERVER", P68 "OBSERVER 2"	ALU-8421LS	AL24-P70

APPLICATION GUIDE BY ENGINE MANUFACTURER



(All variants)

Continental Gear Driven: IO-520, TSIO-520, -550, GTSIO-520, -550, IOF-550, TSIOF-550, TSIOL-550

C28-150, C14-100

For new engine models certified after December 2010 contact Plane-Power for eligibility.

Lycoming Gear Driven: TIGO-541-C1A, -D1A, -D1B, -E1A, -G1AD

C28-150, C14-100

Lycoming 12V: LW14300, 14302, 14308, 14310, 14316

AL12-P70 or AL12-70*

Lycoming 24V: LW14319, 14322, 14324

AL24-P70 or AL24-70*

* Provided with boss mount bracket, starter strap, tension arm and hardware.