

Wind Turbine Alternators

AG Series Alternators For Small and Community Wind



Wind turbine manufacturers are presented with a number of challenges: increasing power output, reduction in weight, increased reliability, reduced costs, ease of manufacture and improved efficiency. Moog Components Group is in a unique position and has used its experience in military, aerospace and commercial

aircraft to develop a line of alternators built on a foundation of proven pancake servomotor technology.

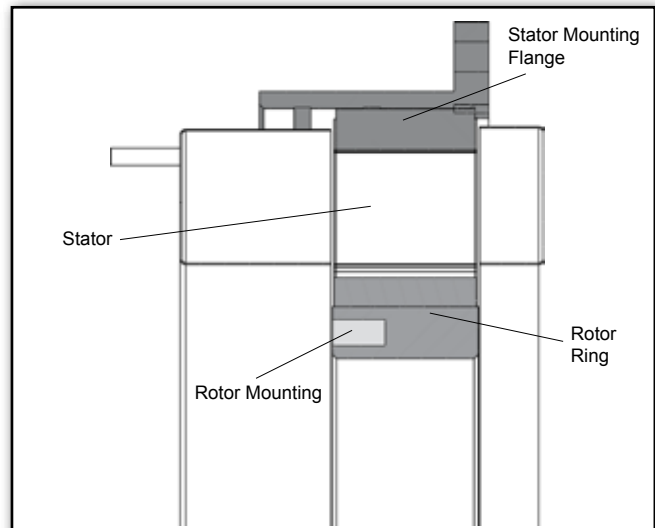
The Moog alternators are designed to meet the requirements that small wind turbine manufacturers will face. The major features of these alternators are:

- **High efficiency output**
 - Highest power to weight ratio
- **Design flexibility**
 - Various bore designs
 - Winding variations
 - Multiple stack lengths
 - Optional without stator flange
- **Direct drive**
 - No gearing
 - No maintenance
- **Simple interface and mounting**

Moog leverages its custom engineering heritage and design capabilities within the base configuration of the wind turbine alternator. Each alternator allows for customization with minimal impact to the base design while meeting unique customer requirements.

- **Custom windings maximize flexibility of the base design**
- **Custom flanges and mountings**
- **Custom voltages available up to 690 V**
- **Complete custom housings**
- **Custom power rating and assemblies**

Moog offers today's solutions for your alternator needs, using standard, custom and build-to-print models. Contact Moog to discuss your project.

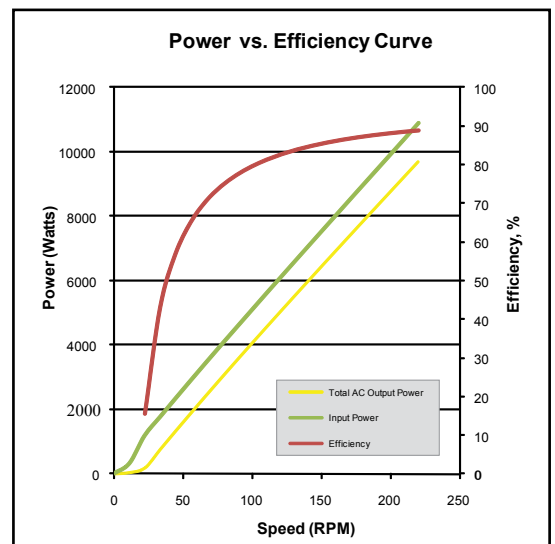
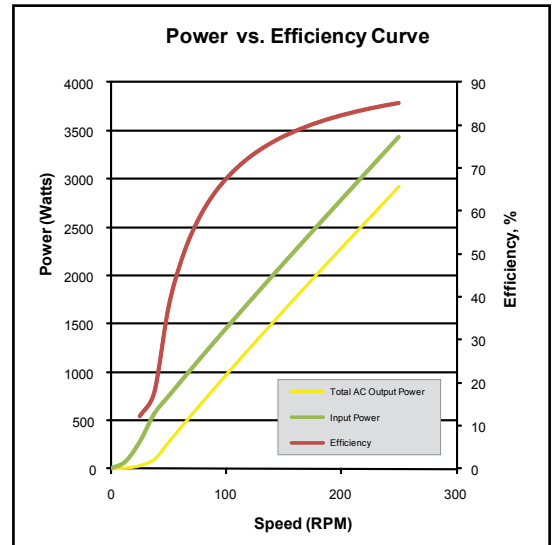
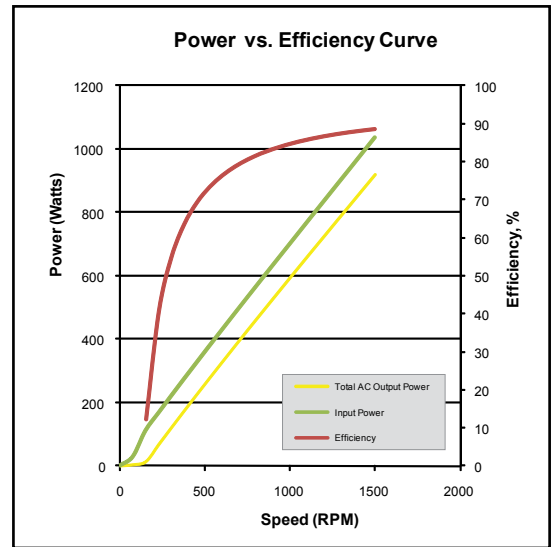


The Moog AG (Alternator Generator) Series Product Family Includes:

Power	300 W - 50 kW
Voltage	230 V phase to phase
Size	5 to 28 inch (12.7 - 71.1 cm) diameter with 6 - 8 variations in length
Thermal Management	Thermistors
Windings	Two selections for each size (100 - 1500 rpm)
Mounting and Material	Rotor and stator mountings and stainless steel material
Efficiency	Up to 95%

AG Series Performance Specifications

Model	Rated Power (W)	Rated Speed (RPM)
AG-5250-A-1ES	348	650
AG-5250-A-2ES	945	1500
AG-5250-B-1ES	525	650
AG-5250-B-2ES	1323	1500
AG-5250-C-1ES	704	650
AG-5250-C-2ES	1760	1500
AG-5250-D-1ES	873	650
AG-5250-D-2ES	2152	1500
AG-5250-E-1ES	1002	650
AG-5250-E-2ES	2942	1500
AG-5250-F-1ES	1349	650
AG-5250-F-2ES	3299	1500
AG-12600-A-1ES	895	250
AG-12600-A-2ES	3270	800
AG-12600-B-1ES	1919	250
AG-12600-B-2ES	6602	800
AG-12600-C-1ES	3001	250
AG-12600-C-2ES	9584	800
AG-12600-D-1ES	3988	250
AG-12600-D-2ES	13000	800
AG-12600-E-1ES	5010	250
AG-12600-E-2ES	16451	800
AG-12600-F-1ES	6062	250
AG-12600-F-2ES	19421	800
AG-15275-A-1ES	1537	220
AG-15275-A-2ES	6105	800
AG-15275-B-1ES	3259	220
AG-15275-B-2ES	12760	800
AG-15275-C-1ES	5111	220
AG-15275-C-2ES	18582	800
AG-15275-D-1ES	6706	220
AG-15275-D-2ES	25116	800
AG-15275-E-1ES	8331	220
AG-15275-E-2ES	27204	700
AG-15275-F-1ES	8331	220
AG-15275-F-2ES	27204	600
AG-15275-G-1ES	11646	220
AG-15275-G-2ES	26746	500
AG-15275-H-1ES	13478	220
AG-15275-H-2ES	31536	500



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