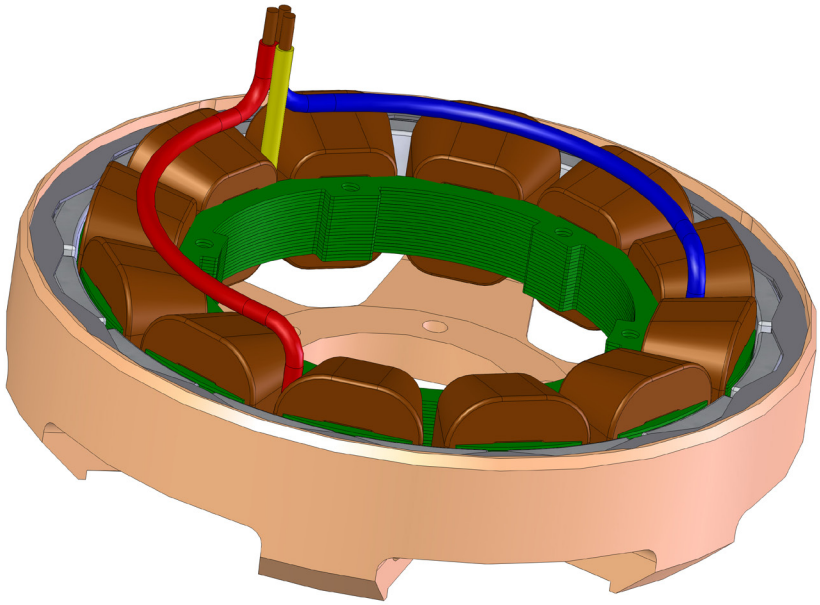


S676-550U-01

1050 to 3500 Watt Alternator

Featuring:

- 3 Phase brushless design
- Designed for direct drive on engine crankshaft
- Designed to fit engines with large diameter propeller hubs
- NdFeB magnets
- Humidity and moisture-resistant

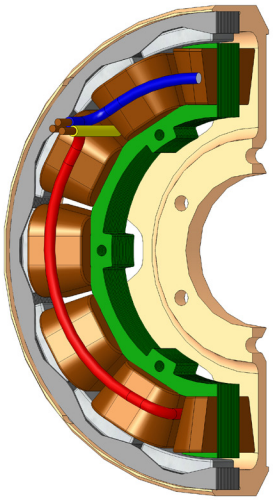
Sullivan
UNMANNED VEHICLE

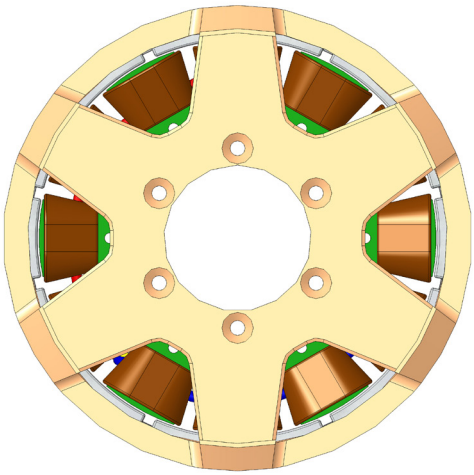
S676-550U-01

1050 to 3500 Watt Alternator

Sullivan UNMANNED VEHICLE

Specifications





Model number:	**S676-550U-01**
Alternator diameter:	140mm
Alternator thickness:	42mm
Alternator weight:	1225g
Engines:	Most engines 50cc to 240cc
Rated power at 2500 RPM:	1050W
Rated power at 7500 RPM:	3500W
Standard wind type:	Three phase
No-load voltage constant:	10.0 VAC/1000 RPM (rms voltage, line to line)
Thermal: (Rotor)	Continuous Operation* 85°C Absolute Maximum* 120°C *Higher temperature available but maximum power will be reduced
Thermal: (Stator)	Continuous Operation 120°C Absolute Maximum 200°C
Options:	Special winding, Custom shaft adapters, Modified shell machining

S676-550U-01

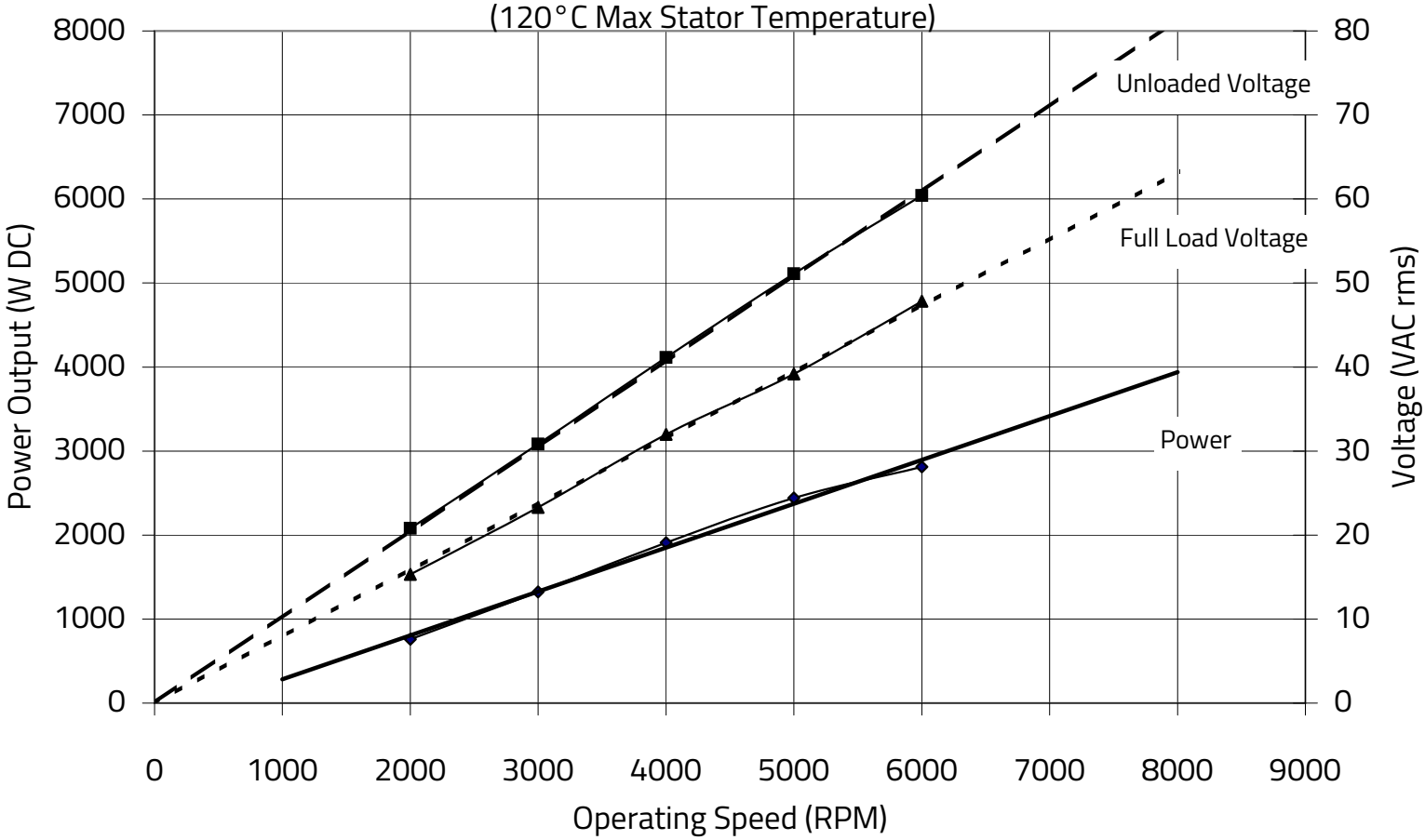
1050 to 3500 Watt Alternator

Performance

Rated Power vs RPM

S676-550U-01 with 10V/KRPM winding

(120°C Max Stator Temperature)



Sullivan UV

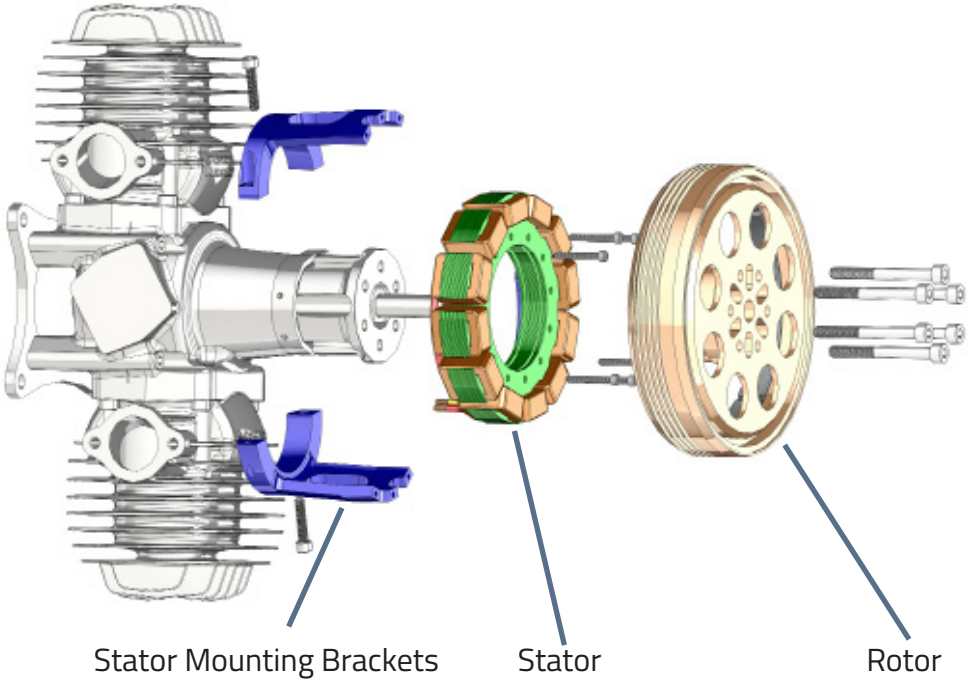
8950 Yellow Brick Rd
Baltimore, MD 21237
Phone: 410-732-3500 Fax: 410-327-7443
W: www.SullivanUV.com E: sales@sullivanuv.com

Sullivan UV is a Baltimore, Maryland-based manufacturer of custom crafted starters, alternators and control hardware.

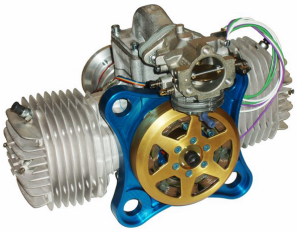
S676-550U-01

1050 to 3500 Watt Alternator

Mounting



3W-28i with S676-300F-01



3W-342 with rear mounted S676-500

3W-200 with S675-500

Sullivan Pancake Alternators are typically designed to be directly driven by the engine crankshaft. They consist of three main parts, Rotor, Stator, and the Stator Support Bracket. The Rotor and Stator are common for most installations, whiles the Stator Support Brackets are specific to each engine and alternator combination.

The **Rotor** is affixed directly to the crankshaft and is supported by the crankshaft bearings. Placement can be on the front shaft between the Propeller Hub and Propeller, or on the rear shaft when available. Other installation configurations can also be accommodated.

The **Stator** is mounted to the engine crankcase via the Stator Mounting Bracket. The Stator is held rigidly in place concentric to the Rotor, with the windings and magnets aligned axially. An optional thin section bearing can be included that provides the proper alignment between the Rotor and Stator if needed.

The **Stator Mounting Brackets** are typically CNC machined from Billet Aluminum. They attach to the engine by either clamping to existing features or bolting directly to the crankcase. In some cases it is necessary to drill and tap the crankcase to create mounting points. The Stator is then bolted to the Mounting Bracket to complete the installation. Installation guides can be downloaded at www.SullivanUV.com

For advanced systems, stator mounting features can be incorporated into the crankcase design which eliminate the need for the bearing and brackets. This approach saves considerable weight and cost but requires control over the engine manufacturing process. If this option is available please contact Sullivan Sales and Engineering, Sales@SullivanUV.com, to discuss the details.

S676-550U-01

1050 to 3500 Watt Alternator