

140 to 525 Watt Alternator

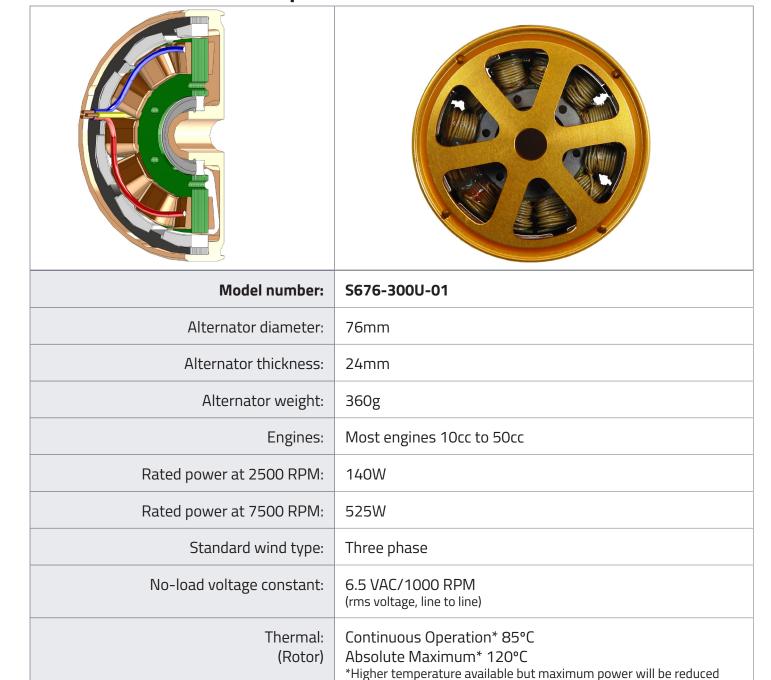
Featuring:

- 3 Phase brushless design
- Designed for direct drive on engine crankshaft
- Only one moving part, an optional sealed ball bearing, which can be eliminated when rigidly mounted
- NdFeB magnets
- Humidity and moisture-resistant





Specifications



Special winding

Continuous Operation 120°C

Absolute Maximum 200°C

Modified shell machining

Thermal:

(Stator)

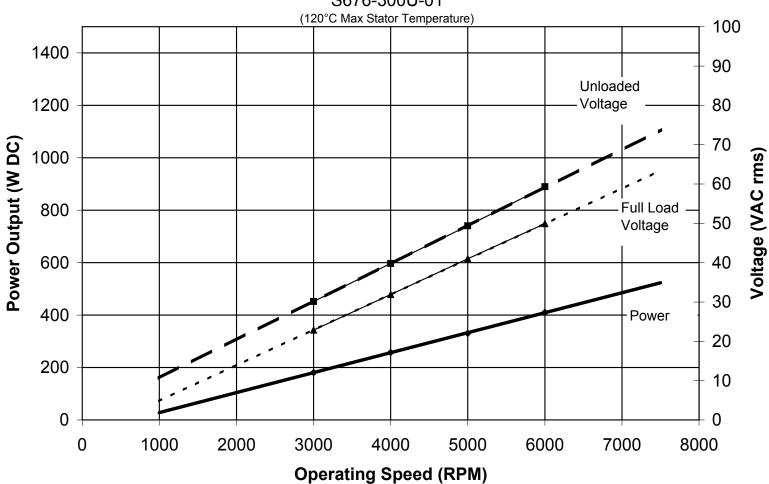
Options:

140 to 525 Watt Alternator



Performance

Rated Power vs RPM S676-300U-01



Sullivan UV

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

140 to 525 Watt Alternator

Stator Mounting Brackets



Mounting

Stator



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.

Rotor

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.





