



# Brush DC Starter Generators



## Functional Description:

The SAI-APC Starter-Generator Line was designed for the starting of turbine engines and APU's. The starter-generator is used as an engine-driven source of DC power and is normally rated at 28-30 volts with a continuous load of 150-400 Amps over a speed range of 6,900 – 12,000 RPM depending on the requirements.

Specific attention is placed on the brush selection to ensure the right brush is selected based on the flight profile of the aircraft to ensure optimum performance. SAI also uses high performance bearings with high temperature grease to ensure the longevity of the generator.

## Performance Specifications:

### INPUTS:

Voltage (DC): 28-30V

### OUTPUTS:

Output Power (HP): 3.8 to 12.5

Rated Power: 4.5 to 12 kW

Speed Range: 6,900 to 12,000 RPM

Continuous Load: 150 to 400A

### FEATURES:

TBO of 1000 to 2000 Hours

Extended Life Brushes

High Performance Bearings

Superior Varnish