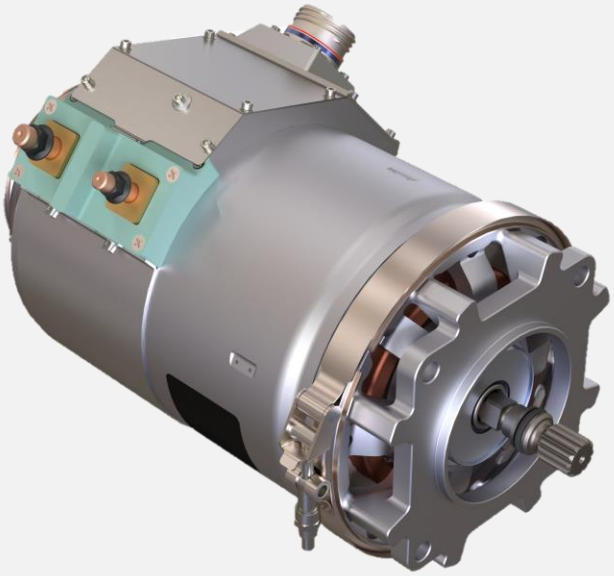
Brushless DC Starter Generator



Functional Description:

The Skurka Aerospace Inc. APC Starter Generator Line is designed for the starting of turbine engines and generating electrical power for APU's.

The standard 28VDC brushless starter generator offers a continuous load of 150, 200 or 300 Amps, while the high-voltage 270VDC brushless starter generator is capable of supplying 12 to 30kW of power.

Advantages of the brushless starter generator include increased efficiency and reliability, reduced noise, reduced FOD from brush dust, longer operating life, reduced electromagnetic interference (EMI), elimination of sparks from the commutator, and a more compact unit that offers more overall power

Performance Specifications:

INPUTS:
- Voltage (DC): 28-30V
- Voltage (DC): 270V

OUTPUTS:
- Rated Power (28V): 4.5kW, 6kW, or 9kW
- Rated Power (270V): 12kW, 15kW, 25kW, or 30kW
- Speed Range: 6,800 to 12,000 RPM
- Continuous Load (28V): 150A, 200A, or 300A

FEATURES:
- Time Between Overhaul of 5,000 Hours
- Embedded Power Electronics with Built-In Protections
- Drop-In Replacement for Brushed SGs
- High Performance Bearings