

## Starter - Generators

### Starter Generator Model: 150SG Series



#### Typical Installations:

- AGUSTA
- EUROCOPTER: AS350B, AS365N, AS355
- BELL: 206A, B, L
- MD HELICOPTER
- U.S. ARMY: OH-56, OH-58
- U.S. COAST GUARD: H65, DAUPHINE
- SCHWEIZER: 330T
- VALMET: L-90TP

<b>Rated Output</b>	4.5 KW
<b>Continuous Load within Speed Range</b>	150 AMP
<b>Generator Mode Speed Range</b>	8100-12500 RPM
<b>Typical Starter Output at 1000 RPM with 20V input</b>	3.8 HP
<b>Overall Dimensions</b>	
<b>Length:</b>	8.0 in.
<b>Diameter:</b>	5.25 in.
<b>Weight:</b>	18.95 lbs.

### Starter Generator Model: 160SG Series



#### Typical Installations:

- AGUSTA: A109C, F, K, POWER
- EUROCOPTER: EC-120

<b>Rated Output</b>	4.8 KW
<b>Continuous Load within Speed Range</b>	160 AMP
<b>Generator Mode Speed Range</b>	8100-12500 RPM
<b>Typical Starter Output at 1000 RPM with 20V input</b>	4.0 HP
<b>Overall Dimensions</b>	
<b>Length:</b>	8.0 in.
<b>Diameter:</b>	5.25 in.
<b>Weight:</b>	19.0 lbs.

**Starter Generator Model: 200SGL Series**



**Typical Installations:**

- MD HELICOPTER: 500, 530, 600N
- SIKORSKY: S76A, C, C+
- AGUSTA: A119
- BELL: 206L-1, 206L-3, 230, 407, 430
- CESSNA: CARAVAN 208
- U.S. ARMY: OH-58D
- EMBRAER: EMB110
- EUROCOPTER
- NEW PIPER: MERIDIAN
- PZL: SW4, KANIA

<b>Rated Output</b>	6.0 KW
<b>Continuous Load within Speed Range</b>	200 AMP
<b>Generator Mode Speed Range</b>	7200-12500 RPM
<b>Typical Starter Output at 1000 RPM with 20V input</b>	5.8 HP
<b>Overall Dimensions</b>	
<b>Length:</b>	8.80 in.
<b>Diameter:</b>	5.30 in.
<b>Weight:</b>	22.5 lbs.

**Starter Generator Model: 200SG Series**



**Typical Installations:**

- U.S. AIR FORCE: AH-1J
- HARBIN: Y12
- U.S. NAVY: UH-IN
- BELL: 212, 412
- MITSUBISHI: MU-2

<b>Rated Output</b>	6.0 KW
<b>Continuous Load within Speed Range</b>	200 AMP
<b>Generator Mode Speed Range</b>	7000-12500 RPM
<b>Typical Starter Output at 1000 RPM with 20V input</b>	6.4 HP
<b>Overall Dimensions</b>	
<b>Length:</b>	9.90 in.

<b>Diameter:</b>	5.50 in.
<b>Weight:</b>	29.15 lbs.

### Starter Generator Model: 250SG Series



#### Typical Installations:

- BEECH: 90, 100, 200
- DORNIER/HINDUSTAN: DO-228
- AERO VODOCHODY: AE270
- PIPER: CHEYENNE PA31
- SCHAFFER: DC-3 TURBINE CONVERSION
- DEHAVILLAND: TWIN OTTER
- AYRES THRUSH
- MYASISHCHEV: M-101 GZHEL AIR TRACTOR

<b>Rated Output</b>	7.5 KW
<b>Continuous Load within Speed Range</b>	250 AMP
<b>Generator Mode Speed Range</b>	6900-12500 RPM
<b>Typical Starter Output at 1000 RPM with 20V input</b>	8.0 HP
<b>Overall Dimensions</b>	
<b>Length:</b>	10.55 in.
<b>Diameter:</b>	5.52 in.
<b>Weight:</b>	32.00 lbs.

### Starter Generator Model: 300SGL Series



#### Typical Installations:

- AERMACCHI: S211 TRAINER
- BEECH: 1900, 1900D
- CESSNA: CITATION 560, ENCORE, EXCEL, CJ1, CJ2 & APU

<b>Rated Output</b>	9 KW
<b>Continuous Load within Speed Range</b>	300 AMP
<b>Generator Mode Speed Range</b>	7200-12500 RPM

<b>Generator Mode Speed Range</b>	7200-12500 RPM
<b>Typical Starter Output at 1000 RPM with 20V input</b>	9.8 HP
<b>Overall Dimensions</b>	
<b>Length:</b>	12.25 in.
<b>Diameter:</b>	5.52 in.
<b>Weight:</b>	33.5 lbs.

### Starter Generator Model: 300SG Series



#### Typical Installations:

- CESSNA: CITATION 650 & APU
- FAIRCHILD: METRO II, III, IV, V
- GENERAL ATOMICS: PREDATOR B
- CASA: 212
- HINDUSTAN: DO-228
- JETSTREAM: 31, 32
- MARSH AVIATION: OV10A CONVERSION

<b>Rated Output</b>	9 KW
<b>Continuous Load within Speed Range</b>	300 AMP
<b>Generator Mode Speed Range</b>	7200-12500 RPM
<b>Typical Starter Output at 1000 RPM with 20V input</b>	10.1 HP
<b>Overall Dimensions</b>	
<b>Length:</b>	9.70 in.
<b>Diameter:</b>	6.17 in.
<b>Weight:</b>	34.0 lbs.

### Starter Generator Model: 400SG Series



#### Typical Installations:

- SAAB: 340
- RAYTHEON: HAWKER 700, 800, 800XP & APU
- CANADAIR: CL215, 415 WATER-BOMBER
- BOMBARDIER: LEARJET-60 & APU
- NAL: SARAS

<b>Rated Output</b>	12 KW
<b>Continuous Load within Speed Range</b>	400 AMP
<b>Generator Mode Speed Range</b>	6800-12500 RPM
<b>Typical Starter Output at 1000 RPM with 20V input</b>	12.5 HP
<b>Overall Dimensions</b>	
<b>Length:</b>	12.90 in.
<b>Diameter:</b>	6.21 in.
<b>Weight:</b>	39.5 lbs.

APC's product line of starter-generators covers the industries requirement, from single to multi engine helicopters, fixed wing, commuter and business jets. They are also used in auxiliary power units (APU) installed on the worlds finest aircraft.

#### **FEATURES:**

- TBO's exceeds the industries standard
- Longer brush life
- Lower operating costs
- Models range from 150 to 400 AMPS @ 28V DC
- TSO-C56 certified
- Custom designs and applications
- Worldwide customer support

#### **CUSTOM PRODUCTS:**

- APC offers many FAA-PMA parts along with manufacturing parts for various governments under U.S. military approvals.
- We can customize our product line per customer requirements
- "Special Projects" are a specialty with APC; we can offer immediate response and prototype units, sometimes within weeks.
- Our U.S.A. based manufacturing facilities are ISO 9000:2000 certified and AS:9100 compliant with close tolerance design and manufacturing a matter of everyday occurrence.