



# DC Generator Model 5502

Model 5502 includes a 12 KW generator and complementary generator control unit (GCU).

The generator is a brushless, self-exciting, three-in-one unit that provides main DC power to the Bell AH-1W gunship, over a speed range of 5,500-9,000 RPM.

The GCU regulates the voltage of the generator. Regulation is accomplished by pulse width modulating the control field. The GCU also implements protective and supervisory functions as listed in the specifications table.



## Specifications

### Voltage:

30 VDC

### Frequency:

400 HZ

### Speed Range:

5500 to 9000 RPM

### Weight:

30.2 lbs

### Overspeed:

10,000 RPM

### Altitude:

0 to 20,000 ft

### Efficiency:

70% @ minimum rated load

### Compliance:

MIL-STD-704  
MIL-G-6162  
MIL-STD-454  
MIL-STD-5400  
MIL-STD-461

### Rating:

400 A

### Cooling:

Self-cooled, Internal fan

## OEKO

Our product competencies and services:  
Permanent magnet alternators | Permanent magnet generators | [AC/DC brushless starter generators](#) | Aircraft light dimmers  
Power supplies | Magnetics | Sensors | Meters

© OEKO | 2015

