

DATA SHEET
SPECIFICATIONS
**MODEL #5613
PM GENERATOR DUAL DC
OUTPUT**

DUAL OUTPUT VOLTAGE: OUTPUT 1: 28.0 VDC NOMINAL
OUTPUT 2: 135 VDC NOMINAL

SPEED RANGE: 35,000 TO 41,200 RPM
OVERSPEED: 44,440 RPM
RATING:
CONTINUOUS OUTPUT 1 = 1 KW @ 28 VDC
OVERLOAD OUTPUT 2 = 2 KW @ 135 VDC
EFFICIENCY: OUTPUT 1 = 1.5 KW
OUTPUT 2 = 5 KW
85% AT FULL LOAD


DESCRIPTION

Model 5613 Permanent Magnet Generator is designed to provide DC electrical power for long range missiles. The unit comprises a rotor assembly and a stator/housing assembly. The rotor assembly is constructed with high-energy rare earth magnets that are assembled onto a hub and contained with a high-strength retaining sleeve. The stator/housing assembly is comprised of a laminated stack with high temperature copper windings that are insulated from the stack and then assembled into the housing. A rectifier/filter stage attached to the stator/housing completes the unit.

COOLING: CONVECTION AIR COOLED
ALTITUDE: 0 TO 50,000 FT

WEIGHT: 7.0 LBS MAX

COMPLIANCE: MIL-STD-704

OUTLINE DETAILS