



## ENHANCED INTEGRATED SYSTEMS GENERATOR (EISG)

The **Enhanced Integrated Systems Generator (EISG)** is designed to be plug and play and is specifically designed and manufactured to support all variants of in-service emergency vehicle systems and upgrades.

An enhanced generator designed to be integrated to the primary platform power supply, and to be driven by the engine to keep the Command and Control (C2), Primary Mission Systems (PMS) and Fire Control Systems (FCS) batteries in a charged condition.

In some variants the EISG may also supply current for the engine ignition system and/or electrical equipment when connected to the battery circuit.

Includes alternating current generators designed for use with a rectifier.

The EISG is supplied with all necessary integration components ready for installation on the platform, in a 1:1 configuration per platform.

Part Number: **EISG-M109-RevB**

### Specifications

VOLTAGE IN VOLTS	28.0
MAXIMUM RATED ARMATURE SPEED IN RPM	8000
SHAFT ROTATION DIRECTION	CLOCKWISE OR COUNTER-CLOCKWISE
MOUNTING STYLE	26 NO MOUNTING PROVISIONS
SHAFT DRIVE END STYLE	4 SPLINED SHAFT END
SPLINE MINOR DIAMETER	0.687 INCHES NOMINAL
SPLINE MAJOR DIAMETER	0.683 INCHES MINIMUM AND 0.867 INCHES MAXIMUM
SPLINE WIDTH	0.958 INCHES NOMINAL
SPLINE LENGTH	1.130 INCHES MINIMUM AND 1.250 INCHES MAXIMUM
SPLINE QUANTITY	16
SUBMERSIBILITY	SUBMERSIBLE OR NONSUBMERSIBLE
NSN	2920-01-288-0497

