

HELICOPTER STARTER 137 SERIES



HELICOPTER STARTER

DRS Pivotal Power's Helicopter Starter provides short term currents necessary for helicopter starting.

The Helicopter Starter is intended for use on board combat ships. Using ship's 440V, 60 Hz, 3 phase AC power conforming to Type 1 of MIL-STD-1399, Section 300, the Helicopter Starter provides 28 VDC output power adjustable from 26V to 32V with a continuous current rating of 300A. The unit is capable of providing up to 1000A short-term high starting currents.

On ship's power, the unit also functions as a power conditioner/DC rectifier by blocking surges, spikes and transients while maintaining stable voltage to the served equipment within specifications to assure their continued proper operation.

Highlights

- Remote sensing capability
- Two output channels
- Functions as power conditioner/DC rectifier
- Use of IGBT as power switching devices
- Military qualified



HELICOPTER STARTER

ELECTRICAL INPUT

Voltage	440 VAC, 3 phase, 3 Wire, 60Hz
Current	Nominal 18A - maximum 30A full load

ELECTRICAL OUTPUT

Voltage	28 to 32 VDC adjustable line drop compensated for up to 305V cable drop with 1000A output current
Regulation	+/- 2%
Rated output	350A
Output Current	1000A for 1 sec, 750A for 4 sec, 500A for 15 sec, 350A for 30 sec
Efficiency	80% at rated load

RELIABILITY

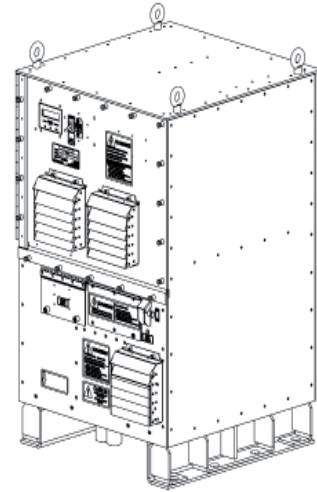
MTBF	40,000 hours
MIn time to repair	20 min
Max time to repair	45 min

ENVIRONMENTAL

Operating Temperature	0°C to +50°F
EMI/EMC	MIL-STD-461F
Vibration	MIL-STD-167-1A, Type 1, 4 Hz to 33 Hz
Shock Resistance	MIL-STD-901D, Grade A, Class I, Type A
Humidity	Up to 90%
Cooling	Forced air
Airborne Noise	MIL-STD-740-1, Grade B

PHYSICAL CHARACTERISTICS

Dimensions	26 L x 22.6 W x 36.8 H inches (613 mm x 574mm x 935 mm)
Weight	290 kg (639 lbs)



ADDITIONAL INFORMATION

Part Number	NSN
137-01B	6130-20-001-7047
Cage Code	38370