

## Uninterruptible Power Supply 833 Series



# 3 KVA AC UNINTERRUPTIBLE POWER SUPPLY

DRS Pivotal Power's 3 KVA AC Uninterruptible Power Supply (UPS) provides conditioned backup power to command, control, and communication equipment where a clean, reliable power supply is essential. The input to the UPS is supplied from the ship's 440V, 60Hz, 3 phase AC service power conforming to MIL-STD-1399, section 300. The UPS system provides 115 VAC, 60 Hz, 1 phase high quality output power.

If input power is lost, or if the power quality is outside acceptable limits, the UPS system continues to provide the output power for the specified duration using rechargeable storage batteries and upon restoration automatically revert to the main's input power.

Each UPS system is made up of a power unit, which houses the power electronics, plus control and communication circuits and a battery unit, which houses the storage batteries. The UPS system utilizes MIL-SPEC circular connectors for input, output and battery unit connection.

### Highlights

- Mean time between failure (MTBF) - 40,000 hours
- LCD status display
- Built-In-Test (BIT) capability
- On-line maintenance of batteries and battery charger
- Simple Network Management Protocol (SNMP) communications and control options



# 3 KVA UNINTERRUPTIBLE POWER SUPPLY

## ELECTRICAL INPUT

Voltage	440 VAC, 3 phase
Frequency	60 Hz
Power Rating	3 kVA
Connection	MS3106F20-4S

## ELECTRICAL OUTPUT

Voltage	115 VAC, 1 phase
Frequency	60 Hz
Power Rating	3 kVA
Efficiency	80% at rated load
Connection	MS3102F16-10PW

## STATUS MONITORING

Display	LCD status display
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## COMMUNICATION

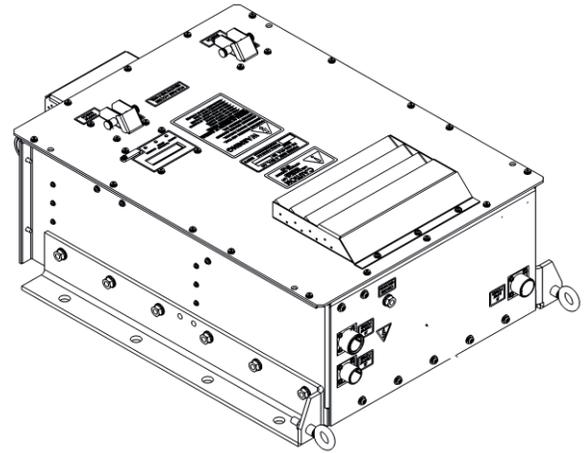
Signaling	RS232
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## ENVIRONMENTAL

Operating Temperature	0°C to +50°C / 32°F to +122°F
EMI/EMC	MIL-STD-461D
Vibration	MIL-STD-167-1A, Type 1, 4 Hz to 33 Hz
Shock	MIL-STD-901D, Grade A, Class 1
Humidity	MIL-STD-810G, 0-95%
Cooling	Forced air

## PHYSICAL CHARACTERISTICS

Dimensions	20.2 L x 15.7 W x 28.0 H inches (bulkhead) (513 mm x 400 mm x 710)
	28.0 L X 15.0 W x 14.0 H inches (rack) (710 mm x 400 mm x 355 mm) (8U)
Weight	150 kg (max)/ 331 lbs (max)



## AVAILABLE OPTIONS

External Battery Pack	External battery module providing 30 minutes of backup at full load
Bypass	Optional manual or automatic
OLED Display	Standard
Restart	Auto

## ADDITIONAL INFORMATION

Part Numbers	NSN	Description
833-01A	6130-20-001-6541	Bulkhead mounted
833-01AY	6130-20-008-1749	Bulkhead mounted with dry contact alarm
833-01B	6130-20-001-6540	Bulkhead mounted with SNMP
833-01C	6130-20-000-9327	Rack mounted
833-01D	6130-20-001-6518	Rack mounted with SNMP
Cage Code	38370	