

## Uninterruptible Power Supply 843 Series



## 2.4 KW DC UNINTERRUPTIBLE POWER SUPPLY

DRS Pivotal Power's 2.4 kW DC Uninterruptible Power Supply (UPS) is intended for use on board naval combat ships to power critical command, control, communications and navigation equipment. The input to the 2.4 kW UPS is supplied from the ship's 440V, 60Hz, 3 phase AC service power conforming to MIL-STD-1399, Section 300.

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 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
- Various backup time durations available
- Simple Network Management Protocol (SNMP) communications and control options



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## ELECTRICAL INPUT

Voltage	440 VAC, 3 phase
Frequency	60 Hz
Connection	MS3106F18-4SW

## ELECTRICAL OUTPUT

Voltage	28 VDC, 1 phase
Power Rating	2.4 kW
Power Quality	< 2% THD
Backup Time	Numerous durations available
Efficiency	80% at rated load
Connection	MS3106F20-19PW

## STATUS MONITORING

Display	LED status display
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## COMMUNICATION OPTIONS

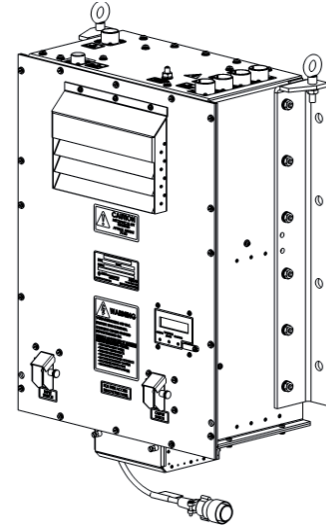
Signaling	RS232, RJ45, Dry Contact Alarm
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## ENVIRONMENTAL

Operating Temperature	10°C to +50°C / 50°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
Airborn Noise	MIL-STD-740-1

## PHYSICAL CHARACTERISTICS

Dimensions	10.5 L x 20.5 W x 28.6 H inches (Bulkhead) (267 mm x 521 mm x 726 mm (5U))
	28.6 L x 19.3 W x 5.9 H inches (Rack) (726 mm x 490 mm x 226 mm) (5U)
Weight	74 kg (max) / 163 lbs (max)



## ADDITIONAL INFORMATION

Part Numbers	NSN	Description
843-01	6130-20-001-8394	Bulkhead mounted
843-01AY	6130-20-002-6007	Bulkhead mounted with dry contact alarm
843-01AX	TBD	Bulkhead mounted with RJ45 SNMP
843-01B	TBD	Bulkhead mounted, 50 Hz
843-01C	TBD	Rack mounted
Cage Code	38370	