

Uninterruptible Power Supply 836 Series



6 KVA AC UNINTERRUPTIBLE POWER SUPPLY

DRS Pivotal Power's 6 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 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 the 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



6 KVA UNINTERRUPTIBLE POWER SUPPLY

ELECTRICAL INPUT

Voltage	440 VAC, 3 phase
Frequency	60 Hz
Power Rating	6 kVA
Input Connection	MS3106F20-45

ELECTRICAL OUTPUT

Voltage	115 VAC, 1 phase
Frequency	60 Hz
Power Rating	6 kVA
Efficiency	80% of rated load
Number of Output Connectors	6
Output Connection	MS3106F20-19P

STATUS MONITORING

Display	LCD status display
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COMMUNICATION

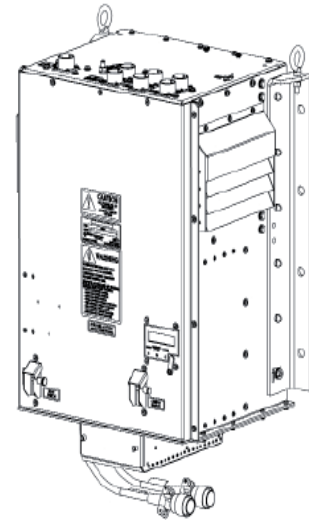
Signaling Interface	RS232
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ENVIRONMENTAL

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 Resistance	MIL-STD-901D, Grade A, Class I
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 mm)
	28.0 L x 15.0 W x 14.0 H inches (rack) (710 mm x 400 mm x 355 mm)
Weight	150 kg (max) / 331 lbs (max) (excluding batteries)



AVAILABLE OPTIONS

External Battery Pack	6U external battery module providing 30 minutes of backup at full load (requires two battery modules)
Bypass	Optional manual or automatic
Restart	Auto

ADDITIONAL INFORMATION

Part Numbers	NSN	Description
836-01A	6130-20-001-6317	Bulkhead mounted
836-01AY	TBD	Bulkhead mounted with dry contact alarm
836-01AX	6130-20-005-1613	Bulkhead mounted with RJ45 SNMP
836-01B	6130-20-001-6269	Rack mounted
836-01BXY	6130-20-001-6269	Rack mounted with RJ45 SNMP
Cage Code	38370	