

Sustainment Systems Power Solutions



DRS Pivotal Power's Uninterruptable Power Supply (UPS) systems are designed and tested to meet a full slate of military and commercial specifications such as MIL-STD-1275B for vehicle power. This ensures power when and where you need it regardless of environmental conditions.

Our designs specifically address common vehicle installation issues, such as extreme energy spikes and transients. In fact, our systems compensate for any wide-voltage and frequency-input extreme situations commonly encountered around the world.

The 882-01A offers go-anywhere, clean backup power for your mission critical systems. If you can get to any source of AC (80 V to 265 V, 45 Hz to 66 Hz) power or DC (22V to 32V) power the 882-01A will provide unwavering, clean power. The internal battery tray delivers 10 minutes of backup time to get you through those really rough or no power situations.

For demanding ground mobile applications the 882-01A has been designed and tested to mount in any orientation, on practically any ground mobile vehicle and interface to most communication or signalling protocols. The 882-01A is tested for Electromagnetic Interference/Electromagnetic Compatibility (EMI/EMC), vibration, and environmental requirements to ensure it stands up in the harshest of applications. The 882-01A has also been specifically designed and tested to offer low heat, low noise and low EMI dissipation to fit those densely packed installation environments.

The 882-01A is truly the power on the move solution.



DRS PIVOTAL POWER



Features

- Dual AC or DC input power
- Fully operable, and LRUs replaceable with MOPP Level IV gear in a Nuclear, Biological, Chemical contaminated environment
- Fully operational following a Near Strike Lightning environment (MIL-STD-464 Para 5.4)
- Designed to withstand and operate in harsh terrestrial environments
- Universal AC Input power
- Hot swap internal battery tray providing 10 minutes of backup power
- Various communications options available
- Form fit replacement for current CHS-3 V2 compliant UPS system

Input

| | |
|------------------------|------------------------------|
| AC input voltage..... | 80-265 VAC, single-phase |
| Frequency | 45-66 Hz |
| DC input voltage | 22-32 VDC, MIL-STD-1275B |
| AC efficiency | >80% at rated resistive load |
| DC efficiency | >80% at rated resistive load |

Output

| | |
|-------------------------|------------------------------|
| AC output voltage | 115 VAC, single-phase, 60 Hz |
| AC power rating..... | 2000 W (2500 VA @ 0.8 pf) |

Environmental

| | |
|-----------------------------|---|
| Operating temperature | -18°C to +52°C / 0°F to +125°F |
| Without battery | -28°C to +50°C / -18°F to +122°F |
| Storage temperature..... | -32°C to +66°C / -25°F to +150°F |
| EMI/EMC | MIL-STD-461E; CE102, CS101, CS114, CS115, CS116, RE102 & RS103 |
| Vibration..... | MIL-STD-810, operates on the move in wheeled or tracked vehicles using the appropriate installation kit |
| Shock | MIL-STD-810, air drop, transit drop |
| HEMP | MIL-STD-2169B |

Batteries

| | |
|--------------------------|----------------------------------|
| Batteries | valve regulated sealed lead acid |
| Backup time..... | 10 minutes |
| Battery charge time..... | 85% in four hours |

Physical

| | |
|------------------------------------|--|
| Dimensions..... | 18.33 L x 22.75 W x 7.0 H inches 466 L x 578 W x 177 H mm |
| Weight (Including batteries) | 135 lbs. 61.2 kg |

Specifications subject to change without notice.

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