DC UNINTERRUPTABLE POWER SUPPLY

DUPS-28-MDC-300-A02

The "DUPS-28-MDC-300-A02" is a DC uninterruptible power supply with multiple output capabilities, capable of charging an internal BB2590 battery and delivering 28 VDC and 12 VDC to loads when connected to an 18-36V input. In the event of power interruptions or low input voltage, it maintains regulated output from the internal battery. Key features include DC UPS functionality, continuous built-in testing, various charging modes, voltage protection, fanless cooling, and adjustable output between 24-32 VDC. It meets MIL-STD-810 standards and supports multiple operational modes, making it versatile and reliable for various applications.

- DC UPS Function
- Constant current charge mode
- Constant voltage charge mode
- Battery over-voltage protection
- Battery under-voltage protection
- Conduction cooling without fan
- Droop-method current sharing
- Continuous built-in test
- During power failure automatically supplies regulated 28 VDC, 16VDC, and 12 VDC to loads

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The "DUPS-28-MDC-300-A02" model is a DC uninterruptible power supply with multiple output capabilities. When connected to the 18-36V input bus voltage, it can charge the internal BB2590 battery using smart battery charging protocols and deliver 28 VDC and 12 VDC to loads through output connectors. In the event of a power interruption or input voltage falling below a specified value, the unit can supply regulated 28 VDC and 12 VDC to loads from the internal battery. Thus, the DUPS-US-28M-300-A02 functions as a DC uninterruptible power supply.

This device features DC UPS functionality, continuous built-in testing, constant current and constant voltage charge modes, battery over-voltage and under-voltage protection, fanless conduction cooling, and adjustable regulated output between 24-32 VDC. Capable of providing regulated 28 VDC, 16 VDC, and 12 VDC automatically during power failure, the device is designed to meet various electrical, mechanical, and environmental specifications. It conforms to MIL-STD-810 standards for vibration, low pressure, shock, sand, dust, and corrosion testing. The operational modes include power supply mode, portable power supply mode, uninterruptible power supply mode, and charging mode.