

AIRBORNE QUALIFIED UPS BATTERY MODULE

STINGRAY 56

HR-9BM65-HT

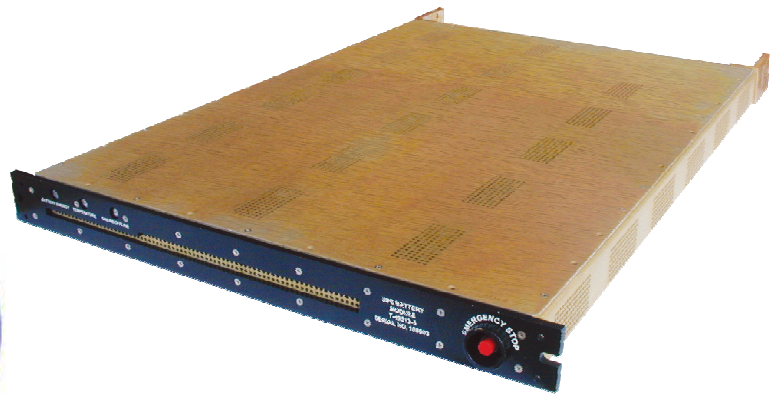
StingRay56 is a Veteran owned small business specializing in Advanced TEMPEST technology and products and Specialized Engineering Solutions to include extreme environmental performance and survivability technologies (MIL-STD-810 & DO-160) in support of military forces, intelligence agencies, prime contractors and niche commercial sectors worldwide.

The StingRay56 HR-9BM65-HT is a modular, Battery Power System that provides the backup power for HETRA's AC and DC Uninterruptible Power Systems.

Its modular design allows multiple battery power modules to be paralleled to increase on time when primary power is not available. Small and lightweight the HR-9DC28-HT is ideal for rack installations where space and weight are critical commodities.

The HR-9BM65-HT UPS Battery Module is equipped with numerous operational and safety features to protect maintenance and service personnel. Control is performed manually or automatically when connected to a StingRay56 AC or DC UPS Unit.

The HR-9BM65-HT is designed and developed to Military maintainability, reliability and safety requirements and MIL-STD-810 certified for airborne and other harsh environments.



COTS and Custom TEMPEST Solutions

Rugged Data Protection

Secure Mobile Technology

Certified Engineering and Test Services

Technical Support

Production & Logistics Support

Providing Advanced TEMPEST Products and Specialized Engineering Services to the Global Marketplace.

STINGRAY 56

RUGGED POWER

HR-9BM65-HT

Warranty

STINGRAY 56 provides a lifetime TEMPEST Integrity warranty and a one-year return to factory warranty on all other aspects of this product. Extended warranty terms are available.

Approval Status

STINGRAY 56 products are routinely tested and certified for compliance with TEMPEST and MIL Standard specifications by various U.S. Government Agencies. Products can also be designed and configured to meet custom specifications as required by individual customer demand.

StingRay 56 Inc

- Systems Engineering
- Secure Data Technologies
- Hardware Development, Production and Integration
- Testing & Qualification Services



- Palm Bay, Florida
- Washington D.C.
- Ottawa, Ontario, Canada
- Disabled Veteran Owned
- Certified Small Business
- ISO 9001:2000 Certified
- NSA Certified Test Facility and an Endorsed TEMPEST Manufacturer

STINGRAY 56 Sales

Susie Twedt, DC Sales Office 703-201-3322
Stwedt@StingRay56.com
 John Booher, VP Sales 321-953-3033 x237
Jbooher@StingRay56.com
 Jean Faucher, Canadian Sales 613-851-3127
jfaucher@StingRay56.com

For more information please contact sales@StingRay56.com or call **321-953-3033**

STINGRAY 56

StingRay 56, Inc.
 2350 Commerce Park Drive, Palm Bay, Florida 32905, USA
 888.438.7244 • 321.953.3033 • 321.953.6465 FAX
www.StingRay56.com

Electrical Characteristics	
Battery Technology Battery Backup	Sealed Lead Acid Separate 1U module providing 10 minutes nominal at max power output. Additional modules can be added to increase on time.
Output Voltage	Nominal +48VDC, Min 40VDC, +57VDC Charging
Output Power Front Panel Indicators	Capable of sourcing 100 Amps Battery Energy: Multi-color Indicator providing battery energy threshold points. Temperature: Multi-color Indicator providing battery over temperature Indication and power up heater test. On/Off Line: Multi-color Indicator providing battery on-line, off-line not connected to UPS and battery disabled.
Control	
Communications port	RS-485 (Control, Management, BIT and Safety)
Emergency Features	Emergency Stop Switch located on front panel
Fault Alarms	Audible and via network- Loss of power, low battery voltage, over temperature alarms via the DC or AC UPS Units
On/Off Control	Enable/Disable/Reset Switch located on front panel
Software	GUI Control Via DC or AC UPS (Windows or Linux)
ENVIRONMENTAL CERTIFICATIONS	
Operating Temperature	-18C to +50C continuous
Storage Temperature	-67C to +160C
MIL-STD-810 for Airborne Applications	
Humidity	Per Method 507, Procedure 1
Fungus	Per Method 508, Procedure 1
Salt/Fog	Per Method 509, Procedure 1
Sand / Dust / Volcanic Ash	Per Method 510, Procedure 1
Vibration	Random 2.8Gs, Random 7.6Gs Endurance / Acoustics
Altitude	1500ft below Sea level up to 41,000ft Rapid Decompression Attitudes
Explosive Atmosphere	Method 511, Procedure 1
Shock:	
Functional	15Gs,
Survival loads	16Gs
Acceleration loads	12GS
EMIC (Mil-Std-461E)	CE101, CE102, CS114, RE101, RE102, RS103
PHYSICAL DIMENSION	
Size	19" w x 25" d x 1u h / (48.3cm x 63.5cm x 2.5cm)
Weight (less packaging)	58 lbs
Cooling	Natural Convection
OPTIONS	
TEMPEST	NSTISSAM TEMPEST / 1-92
RELATED PRODUCTS	
	AC UPS MODULE HR-9AC2K-HT



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