MESTA ELECTRONICS, INC. **MEDICAL UPS SPECIFICATIONS**

Isolation Transformer ★ *isolates your critical load from electrical leakage*
Fail-Safe System ★ *maintains utility power to the load even if the UPS is accidentally turned off*
Programmable Silent Alarm ★ *available for unobtrusive operation*
Hospital Grade Receptacles ★ *for use with multiple monitors and/or emergency equipment*

INPUT

Voltage • 120VAC - 15% + 10%
Frequency • 60Hz ±5Hz (frequency range programmable via RS232 port)

OUTPUT

Voltage (AC line) • 120VAC ± 6%
Voltage (on inverter) • 120VAC ±1%
Crest Factor Capability • 3.0
Output Power Factor Limitations • None
Frequency (AC line) • follows input
Frequency (on inverter) • 60Hz ±.01Hz
Frequency Slew Rate • 1–255Hz/sec (programmable via RS232 port)
Total Harmonic Distortion < 1%
Efficiency • >92% overall at full load
Overload Rating • 150% for 1 min.
• 300% for 1 second

OVERLOAD PROTECTION

Output electronically current limited to 300% full load rating
Fuses provide backup protection to electronic current limit
Over temperature protection

BATTERY

Sealed maintenance-free 5 year expected life

INDICATORS AND CONTROLS

LEDs • Indicate UPS On, On Line, On Battery, Battery Status, and Overload status
Audible alarm • indicates loss of AC line, low battery, or overload (programmable silent alarm)
Reset Switch • silences alarm, resets overloads and is used to initiate UPS in-service battery test
Power ON/OFF switches
RS232 Interface for remote communications of status and diagnostics

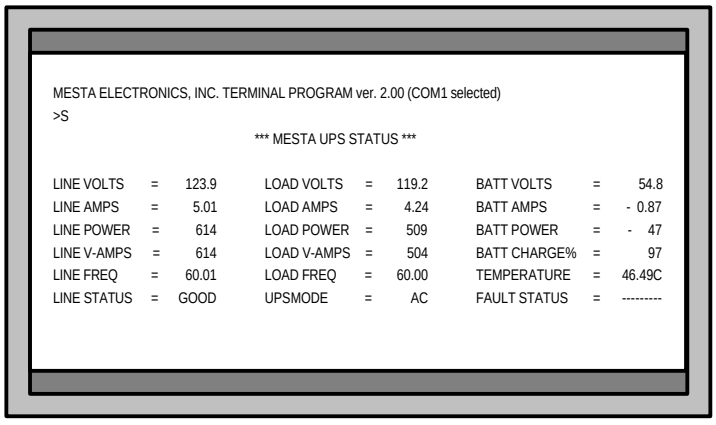
PHYSICAL

Operating Temp • 0° C to 40° C ambient without derating
Storage Temp • -20° C to 40° C
Thermal • cooling fan as required
Audible Noise • 35 dBA
Line Cord • 6' detachable black 3 wire ground with NEMA 5-15P hospital grade plug
Output Receptacles • 4 NEMA 5-15R hospital grade
RS232 Port • Interface for remote communications

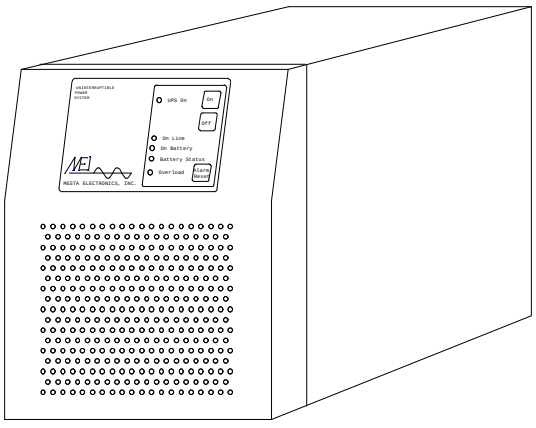
Model	VA	W	Peak W	Backup min PF .7	Backup min PF 1	Dimensions in H	Dimensions in L	Dimensions in W	Weight lbs
UPS500-43BHI	500	500	1500	23.0	15.0	10.25	17	8	65

OPTIONS (consult factory)

50 Hz models
208 or 240 V models
Available in other sizes in quantities



RS232 video display of UPS/utility interaction during peak demand.



All Mesta units are listed by UL c UL
UL 1778 & 544 CSA C22.2 Nos. 107.1 & 125

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