⋖UPS20000/3-20-1 - 20KVA/KW 3Φ ON LINE UPS SPECIFICATIONS⋗

INPUT

Voltage • 208/120VAC 3Φ Nominal
Current • 67 amps max at rated load.
Frequency • 60Hz ±5Hz (Input voltage and frequency ranges are programmable via front panel)

OUTPUT

Voltage (AC line) • 208/120VAC 3Φ Nominal
Voltage (on inverter) • 208/120VAC ±1%
Current (rated load) • 56 amps
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)
Efficiency >94% overall at full load
Overload Rating • 150% for 1 min.
• 300% for .17 sec.

OVERLOAD PROTECTION

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

BATTERY

Sealed maintenance-free 3-5 year expected life
Battery voltage • 240VDC nominal
Battery current • 100 amps max
Backup time on internal batteries:
• 9 min. (full load - P.F.=1)
• 14 min. (full load - P.F.=.7)

INDICATORS AND CONTROLS

Keypad • to address several data screens, command UPS control, set parameters
LCD Screen • to provide full system operating data/warnings/messages
Rotating Transfer Switch to select modes: OFF/ OFF IDLE/ ON UPS/ ON BYPASS
Transfer Request button • to allow UPS to switch between normal operation and maintenance bypass without power interruption to load.
LEDs • indicate AC line presence, Battery discharging, and presence of an alarm condition.
Audible alarm • indicates loss of AC line, or presence of an alarm condition.
Reset Switch • silences audible alarm
RS232 Interface for remote communications of status and diagnostics (Voltage or Current Loop interface configuration)
Custom I/O and Relay Contacts • provides status contacts capable of 120V/10A or 24V/0.1A) operation.

PHYSICAL

Operating Temp • 0°C to 40°C ambient without derating.
Storage Temp • -20°C to 40°C
Thermal • Internal forced air
Audible Noise • 60 dBA
Input/Output • hardwired to distribution panels.
Dimensions
• Height 75"• Depth 28"• Width 32"
Weight with internal batteries • 1,600 lbs.
Color • PC Bone

OPTIONS

Larger size 2 (75" x 32" x 38") cabinet with 65 amp-hr internal batteries
External Battery Cabinets • For extended backup times Models BC20-38, BC40-38, BC60-38, BC80-38, BC100-38 (38 amp-hour) or BC20-65, BC40-65 (65 amp-hour)
50 Hz Models, Other voltages, External step up/down transformers, Remote status displays.
NOTE: For any of the above options, consult factory.