What are the power and backup power supply requirements for Octet instruments?

Octet systems require three power outlets. It is recommended that the electrical circuit for the Octet system is not connected to equipment with high intermittent power draws such as refrigerators, freezers, compressors, and vacuum pumps. If your site has a history of power outages, spikes and/or drops, we strongly recommend powering the system through an on-line UPS. Please be sure to read and answer the following questionnaire to determine if a Double Conversion Online type UPS is needed and choose an appropriate supplier accordingly.

Determine if a Double Conversion Online UPS is needed			
	Yes	No	Unknown
1. Does the area where the Octet system will be installed have equipment with high intermittent power draws (Refrigerators, Freezers, Compressors, Vacuum pumps)?			
2. Is there other equipment in the proximity to the area were the Octet will be installed that can cause intermittent voltage in the power line (elevators, air conditioning, heaters, etc.)?			
3. Is the electrical outlet where the equipment will be connected properly grounded?			
If questions 1-2 are YES or UNKNOWN, or question 3 is NO we recommend you purchase the Tripp Lite SU1000XLA (120VAC) or Tripp Lite SUINT1000XL (240VAC) or equivalent UL, CSA, CE certified Double Conversion Online UPS			

The tables below list the power requirements for Octet systems:

Octet K2, QK^{e}, RED96, RED96e

Power Requirements		
Component	**Power Source**	**Power consumption**
Octet Small Platform System	AC 100-240V, 5.0-2.0 A, 50/60 Hz, single phase (fused voltage switching)	120W (240W peak)
Computer Workstation*	100 to 240 VAC / 50 or 60 Hz (typical) (autoswitching)	125W (230W peak)
Computer Monitor*	100 to 240 VAC / 50 or 60 Hz + 3 Hz / 1.2 A (typical) (autoswitching)	19W (28W peak)

Octet QK384, RED384, HTX

Power Requirements		
Component	**Power Source**	**Power consumption**
Octet x384 or HTX System	AC 100-240V, 5.0-2.0 A, 50/60 Hz, single phase (fused voltage switching)	350 W (500 W peak)
Computer Workstation*	100 to 240 VAC / 50 or 60 Hz (typical) (autoswitching)	425W (635W peak)
Computer Monitor*	100 to 240 VAC / 50 or 60 Hz + 3 Hz / 1.2 A (typical) (autoswitching)	21W (50W peak)

If you have additional questions, please contact ForteBio Technical Support.

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