

System Power Specifications

Tables 2-4 and 2-5 list the AC power requirements for the server. These tables provide information to help determine the amount of AC power needed for your computer room.

Table 1-4 System Power Specifications

Specification	Value
Nominal input voltage	200 - 240 (VAC RMS)
Minimum Operating Voltage	180 VAC
Maximum Operating Voltage	264 VAC
Frequency range (minimum - maximum)	50-60 Hz
Number of phases	1
Maximum input current	8 A RMS
Maximum inrush current	100A (peak), 55A (average) 0msec - 1msec 55A (peak), 33A (average) 1msec - 2msec 55A (peak), 22A (average) 2msec -10sec 25A (peak), 15A (average) 10msec - 150msec
Dropout carry through time at minimum line voltage	20 ms
Power factor correction	> 0.95 At all loads of 90%-100% of supply rating > 0.75 At all loads of 50% - 90% of supply rating
Ground leakage current	<1.1mA per line cord

Table 1-5 System Power Requirements

Power Required (50-60Hz)	Watts	VA	Comments
Maximum configuration ^a	1368	1440	Maximum Theoretical
Typical configuration ^b	1065	1125	Typical

a. Maximum power is the sum of the worst case power consumption values of every subsystem in your hp Integrity rx4640. These worst case values should be used to calculate the worst case power consumption for your facility installation.

b. Typical power consumption values were measured while running power intensive applications. These values are generally lower than maximum power numbers because all the subsystems in your HP Server rarely draw maximum power simultaneously and for long durations.