



# APPENDIX A

## Technical Specifications

**Table A-1. PowerVault 200S and 201S**

<b>Drives</b>	
SCSI hard-disk drives	support for up to eight 4-, 9-, 18-, or 36-GB 3.5-inch SCSI hard-disk drives
<b>External Ports</b>	
Ultra2 SCSI (LVD) or Ultra3 SCSI	68-pin connector in a nonredundant configuration, and two 68-pin connectors in a redundant configuration (or Ultra2/ Ultra3 cluster mode for ESEM and SEMM)
<b>SCSI Backplane Board Connectors</b>	
SCSI hard-disk drive connection sockets	eight 80-pin connectors
Power connectors	two 30-pin connectors
Enclosure module	two 210-pin connectors
Fan connectors	three 8-pin connectors
Dual-bus module	180-pin connector
<b>Controls and Indicators</b>	
Power control	rocker switch on power supply
Storage system power indicator	green LED
Storage system fault indicator	amber LED
Hard-disk drive fault indicator	amber LED
Hard-disk drive activity indicator	green LED
Hard-disk drive online indicator	green LED
Power-supply online indicator	green LED
Power-supply fault indicator	amber LED

**Table A-1. PowerVault 200S and 201S (continued)**

Fan module fail	amber LED
<b>Power</b>	
DC power supply:	
Wattage	340 W/460 W peak (optional 340-W and 460-W power supply is available)
Heat dissipation	990 BTUs (nominal)
Voltage	90 to 135 V at 60 Hz; 180 to 265 V at 50 Hz
<b>Physical</b>	
Height	13.3 cm (5.25 inches)
Width	44.6 cm (17.55 inches)
Depth	43.2 cm (17.0 inches)
Weight	34.0 kg (75.0 lb) maximum with all components installed
<b>Environmental</b>	
Temperature:	
Operating	10° to 35°C (50° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)
Relative humidity	8% to 80% (noncondensing)
Maximum vibration:	
Operating	0.25 G at 3 to 200 Hz
Storage	0.5 G at 3 to 200 Hz
Maximum shock:	
Operating	half-sine wave form: 38 G for 2 ms (20 inches/sec)
Storage	half-sine wave form: 83 G for 2 ms (40 inches/sec); square wave form: 20 G
Altitude:	
Operating	-16 to 3048 m (-50 to 10,000 ft)
Storage	-16 to 10,600 m (-50 to 35,000 ft)

**Table A-2. PowerVault 210S and 211S**

<b>Drives</b>	
SCSI hard-disk drives	support for up to 12 4-, 9-, or 18-GB 3.5-inch SCSI hard-disk drives
<b>External Ports</b>	
Ultra2 SCSI (LVD) or Ultra3 SCSI	68-pin connector in a nonredundant configuration, and two 68-pin connectors in a redundant configuration (or Ultra2/Ultra3 cluster mode for ESEM and SEMM)
<b>SCSI Backplane Board Connectors</b>	
SCSI hard-disk drive connection sockets	12 80-pin connectors
Power connectors	two 30-pin connectors
Enclosure module	two 210-pin connectors
Fan connectors	three 8-pin connectors
Dual-bus module	180-pin connector
<b>Controls and Indicators</b>	
Power control	rocker switch on power supply
Storage system power indicator	green LED
Storage system fault indicator	amber LED
Hard-disk drive fault indicator	amber LED
Hard-disk drive activity indicator	green LED
Hard-disk drive online indicator	green LED
Power-supply online indicator	green LED
Power-supply fault indicator	amber LED
Fan module fail	amber LED
<b>Power</b>	
DC power supply:	
Wattage	340 W/460 W peak (optional 340-W and 460-W power supply is available)
Heat dissipation	990 BTUs (nominal)
Voltage	90 to 135 V at 60 Hz; 180 to 265 V at 50 Hz

**Table A-2. PowerVault 210S and 211S** (continued)

<b>Physical</b>	
Height	13.3 cm (5.25 inches)
Width	44.6 cm (17.55 inches)
Depth	43.2 cm (17.0 inches)
Weight	34.0 kg (75.0 lb) maximum with all components installed
<b>Environmental</b>	
Temperature:	
Operating	10° to 35°C (50° to 95°F)
Storage	-40° to 65°C (-40° to 149°F)
Relative humidity	8% to 80% (noncondensing)
Maximum vibration:	
Operating	0.25 G at 3 to 200 Hz
Storage	0.5 G at 3 to 200 Hz
Maximum shock:	
Operating	half-sine wave form: 38 G for 2 ms (20 inches/sec)
Storage	half-sine wave form: 83 G for 2 ms (40 inches/sec); square wave form: 20 G
Altitude:	
Operating	-16 to 3048 m (-50 to 10,000 ft)
Storage	-16 to 10,600 m (-50 to 35,000 ft)