

6.2.4 Environmental Requirements

TEMPERATURE

Operating: 0°C to +55°C
Non-operating: -55°C to +85°C

HUMIDITY: 95% RH

VIBRATION: Vibration applied on 3 mutually perpendicular axis.
5-9 Hz, 1.0" double amplitude; 9-500 Hz, 2.5G

SHOCK: 3 shocks in each direction on 3 mutually perpendicular axis (18 shocks)

Operating: 5G, 11 msec
Non-operating: 15G, 11 msec

ALTITUDE

Operating: 10,000 feet max.
Non-operating: 50,000 feet max.

INCLINATION: Operates in any attitude

RELIABILITY:

(at 25°C)

Processor: 22,000 hours MTBF
Power Supply: 33,000 hours MTBF
Memory: 11,000 hours MTBF
Computed from MIL-HDBK-217A, 1 Dec. '65

6.3 INSTALLATION PROCEDURE

The PDP-11 is crated for shipment to the customer site to prevent damage. Installation is provided by DEC personnel at the customer's site.

Computer customers may send personnel to instruction courses on computer operation, programming, and maintenance conducted regularly in Maynard, Massachusetts, Palo Alto, California, and Reading, England.

6.4 SYSTEM UNITS AND CABLES

The following items are available for mounting standard and special peripheral device logic into a PDP-11 system.

6.4.1 Peripheral Mounting Unit (DD11-A)

The DD11 is a prewired system Unit which allows standard small peripheral interfaces to be mounted in a PDP-11 system. It accepts standard small peripheral interfaces (up to 4) such as the KL11 Teletype Control or the controller portion (PC11-M) of the High Speed Reader/Punch. For mounting, it requires one-sixth (1/6) of a BA11 Mounting Box.

6.4.2 Blank System Unit (BB11)

The BB11 consists of three 288-pin connector blocks connected end-to-end. This unit is unwired except for UNIBUS and power connections and allows customer-built interfaces to be integrated easily into a PDP-11 system. For mounting it requires one-sixth (1/6) of a BA11 Mounting Box.

6.4.3 UNIBUS Module (M920)

The M920 is a double module which connects the UNIBUS from one System Unit to the next within a Mounting Box. The printed circuit cards are separated by 1" for this purpose. A single M920 will carry all 56 UNIBUS signals and 14 grounds.

6.4.4 UNIBUS Cable (BC11A)

The BC11A is a 120-conductor flexprint cable used to connect System Units in different mounting boxes of a peripheral device which is removed from the mounting boxes.

The 120 signals consist of the 56 UNIBUS lines plus 64 grounds. Signals and grounds alternate to minimize cross talk.

Type	Length
BC11A-2	2'
BC11A-5	5'
BC11A-8A	8'6"
BC11A-10	10'
BC11A-15	15'
BC11A-25	25'

6.5 PDP-11 POWER SUPPLY SUBSYSTEM H720

This Power supply is used in the Basic and Extension Mounting boxes and supplies power to all devices mounted in one of these boxes. It is included in basic PDP-11 systems, but must be ordered separately with a BA11ES or BA11EC Extension Mounting Box.

Approximate Size: 16 1/2" wide, 8" high, 6" deep

Approximate Weight: 30 lbs.

Power:	IN	117V	10%	47-63 Hz	6A	H720E
		230V	10%	47-63 Hz	3A	H720F
		215V	10%	47-63 Hz	3A	H720F
		200V	10%	47-63 Hz	3A	H720F
	OUT	+5V	5%	22A		(H720E,F)
		-15V	5%	22A		(H720E,F)
		+8	RMS (UNREGULATED)		1.5A	(H720E,F)
		-22	V (UNREGULATED)		1.0A	(H720E,F)
		AC	LO			
		DC	LO			