



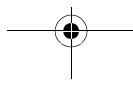
Cat. No. 273-1825  
**OWNER'S MANUAL**

Please read before using this equipment.

**Notebook Computer  
Universal 30W Power Adapter**



**RadioShack®**



**WARNING:** To reduce the risk of fire or shock hazard, do not expose this product to rain or moisture.



**CAUTION**

RISK OF ELECTRIC SHOCK. DO NOT OPEN.



**CAUTION:** TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER OR BACK. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



This symbol is intended to alert you to the presence of uninsulated dangerous voltage within the product's enclosure that might be of sufficient magnitude to constitute a risk of electric shock. Do not open the product's case.



This symbol is intended to inform you that important operating and maintenance instructions are included in the literature accompanying this product.

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## FEATURES

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Your RadioShack Notebook Computer Universal 30W Power Adapter powers notebook computers and other electronic devices by converting a nominal 12-volt input voltage to a regulated output voltage of from 6 to 21 volts at up to 30 watts of continuous power.

**Caution:** This power adapter is intended for mobile use in automobiles, trucks, boats, on commercial aircraft, or with 12V DC portable power sources and is safe for outdoor use. Care should be taken not to expose the adapter to rain, snow, or water as moisture could damage internal components.

The compact, lightweight power adapter fits inside most computer carrying cases, and can recharge your computer's internal battery. The adapter comes with a deluxe, padded vinyl case. It is reverse-voltage, over-current, over-temperature, and short-circuit protected.

Your power adapter's features include:

**User-Adjustable Voltage Settings** — you select the specific output voltage (in one-volt increments) by setting a switch. The power adapter can be set to deliver any voltage from 6 to 21V DC at up to 30 watts maximum.

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**Interchangeable Adaptaplug® Connectors** — three RadioShack Adaptaplug adapters are included with your power adapter for connecting it to most notebook computers. Additional Adaptaplugs are available from RadioShack.

**Power Indicators** — the power adapter has two indicators. One is located on the cigarette-lighter plug and lights when input power is available. The other is located on the power adapter and stays lit when conditions are normal and turns off if there is a fault in the circuit.

**Cigarette-Lighter Fuse Holder** — a glass fuse is located inside the cigarette-lighter input connector to protect the adapter and the automobile in the unlikely event of a short circuit.

**Regulated Output Voltage** — keeps the voltage stable within an input range between 11 and 16 volts. This permits the power adapter to be attached to a device even when high input “surge” voltages might be present, such as when its battery is charging. The adapter also ensures that the proper voltage is always delivered to sensitive electronic components.

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**Low Input Voltage Shutdown** — a special circuit shuts down the adapter when the input voltage falls below 10V DC. This safeguards batteries used to power the adapter that are susceptible to damage when operated below such voltages.

**Input Coil Cord** — a special polyurethane material with “memory” capability enables the cord to stretch up to 5 feet and return to its original compact size of about 12 inches to prevent tangling.

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## **SAFETY INSTRUCTIONS**

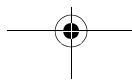
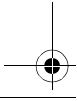
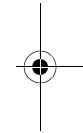
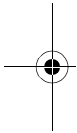
This manual contains important safety and operating instructions for your power adapter. Before you use the power adapter, read all the instructions and cautionary markings in this manual, on the power adapter, and on the product that you will connect to the power adapter.

**Warning:** To reduce the risk of injury:

- Do not disassemble the power adapter; take it to your local RadioShack store when service or repair is required. Improper reassembly may result in the risk of fire.
- Do not use an attachment not recommended or sold by RadioShack or this could result in a risk of fire, injury to persons, or damage to personal property.
- Never push any object into the air ventilation slots and openings in the power adapter. It could short out parts resulting in a fire.

**Caution:** To reduce the risk of damage:

- Do not expose the power adapter to rain or excessive moisture.
- Do not operate the power adapter if it has been damaged in any way. Take it to your local RadioShack store for repair.



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- Slots and openings on the top and bottom of the power adapter are for ventilation. To ensure reliable operation, and to protect the adapter from overheating, be sure these openings are not blocked or covered.
  - Unplug the power adapter from the DC power source before attempting to adjust voltage, change tips, or clean it. Do not use liquid aerosol cleaners. Use a damp cloth for cleaning, then wipe it dry immediately.
  - Do not operate the power adapter with damaged input or output cords or plugs.
  - Make sure the cords are not located where they will be stepped on, tripped over, or otherwise subjected to damage or stress.
  - Disconnect the plugs from the socket by pulling directly on the plugs rather than the cord.
  - If your power adapter does not operate normally, in particular if unusual sounds or smells come from it, immediately unplug it and contact your local RadioShack store.



## PREPARATION

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### ADJUSTING OUTPUT VOLTAGE

**Warning:** Your power adapter provides direct current (DC) voltage. Do not use it with devices that are not specifically identified as requiring DC voltage. Do not use it with devices that require AC voltage. Damage to the device could result.

**Caution:** Make the proper voltage setting before you connect the power adapter to an input power source.

Follow these steps to adjust the output voltage.

1. Determine the required output voltage setting of the power adapter by one of the following four methods:
  - Refer to "Compatible Notebook Computers" on Page 22 for voltage, tip color, and polarity settings.
  - Note the voltage indication marked next to the input jack on the device to be powered. Example:  $V_{in} = 18V DC$  or  $18V DC$ .
  - Review the power or ID plate on the device to be powered. Look for the word "INPUT" followed by a number and  $V DC$ . Example: *INPUT: 18V DC*.

- Review the power or ID plate on the AC power adapter usually used to power the device. Look for the word "OUTPUT" followed by a number and *V DC*. Example: *OUTPUT: 18V DC*.

If the power adapter or computer indicates a "voltage range," use the voltage that is closest to the mid-range. Example: *OUTPUT: 10–16V DC*; set the power supply to 13V DC.

**Note:** The specific notation "V DC" might not be indicated. Instead, the international symbol shown to the right might be used.



In rare cases when the voltage setting is between whole numbers, such as 15.5V DC, use the lower setting first (15V DC). If the device does not seem to operate properly, readjust it to the higher value (16V DC).

2. Remove the protective label covering the voltage selector. Then, using the tool provided, or a small flat-blade screwdriver, turn the adjustment dial to align its arrow with the required setting on the label.



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## SELECTING THE ADAPTAPLUG

The power adapter comes with three Adaptaplug. The included colors and sizes are:

- Blue —  $5.5 \times 2.1$  mm
- White —  $5.5 \times 2.5$  mm
- Green —  $6.3 \times 3$  mm

To select the correct Adaptaplug:

1. Disconnect the AC power adapter you are replacing from the AC outlet and from the device to be powered.
2. Refer to "Compatible Computers" on Page 21, or examine the output connector of the AC adapter and compare it to the three Adaptaplug supplied with your power adapter.
3. Select the Adaptaplug that resembles the original plug and insert it into the device to be powered. It is important that the center contact or pin be the correct size to ensure proper electrical contact. If it is too small or large, additional Adaptaplug are available from RadioShack.

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## INSTALLING THE ADAPTAPLUG

**Warning:** To avoid damage to the device you are using, make sure the Adaptaplug is installed correctly. If you have trouble installing it, take the device to be powered (with all its accessories) and your power adapter to your local RadioShack store for assistance.

**Caution:** Install the Adaptaplug before you connect the power adapter to an input power source.

To use your power adapter, your computer must have a DC input jack and you must determine the polarity of this jack to correctly connect the adapter. Most DC input jacks are marked with a symbol that looks like one of these:

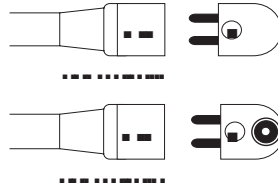


Symbol A means that the outside of the jack is positive (+) and the inside or "TIP" is negative (-). Symbol B means the "TIP" is positive. The power adapter's plug must match your device's DC input jack with respect to polarity (positive to positive and negative to negative).

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**Note:** If the polarity symbol is not displayed on the device to be powered, it might appear on an ID plate on the computer power supply or the original power adapter (see "Compatible Computers" on Page 21).

Based on the jack's polarity, insert the Adaptaplug into the output cable by aligning the correct polarity symbol (+ or -) on the Adaptaplug with the word **TIP** on the output cord.



## USING THE ADAPTER

After you have properly adjusted the output voltage and installed the Adaptaplug, follow these steps to use your adapter.

1. Insert the Adaptaplug's tip into the DC input jack on the device to be powered.
2. Insert the power adapter's cigarette-lighter plug into any DC outlet with a power rating of 12V DC.

Suitable receptacles include automobile cigarette-lighter sockets and 12-volt power ports, portable 12-volt battery packs, airline seats with 11 to 16V DC capabilities and the appropriate receptacles, and solar panels with power capabilities of 11 to 16 volts at 40 watts (minimum).

The green indicators on both the cigarette-lighter plug and the power adapter's case turn on when the adapter is properly connected and the device is receiving power.

### **Notes:**

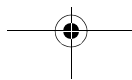
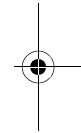
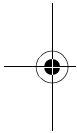
- If the green indicator on the cigarette-lighter plug does not light, disconnect the power adapter and check the power source. Some automobiles require the ignition to be turned on, or to the ACC (accessory) position to provide power to the cigarette-lighter socket.



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- If the green indicator on the power adapter's case does not light, disconnect the adapter from the device being powered, then check the Adaptaplug's connection for the correct orientation.

**Caution:** Save your data frequently! If you operate your notebook computer after removing its internal battery, an interruption in power might result in an immediate computer shutdown and possible data loss. Such a power interruption could be caused by:

- Accidentally disconnecting either end of the power adapter.
- Starting your vehicle.

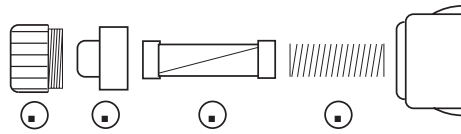


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## REPLACING THE FUSE

If the green indicator on the cigarette-lighter plug does not light after disconnecting the device to be powered, remove the cigarette-lighter plug from the receptacle and check its fuse. To remove the fuse, turn the plug's knurled knob (4) counterclockwise, then remove the tip cap (3). Lift up one end of the plug so the fuse (2) and the spring (1) fall out. Check the fuse and if necessary, replace the fuse with a 6A fast-blow  $1/4" \times 1 1/4"$  glass fuse.



**Caution:** Do not use a fuse with ratings other than those specified. Doing so might damage your adapter.

To reassemble the cigarette-lighter plug's fuse holder, insert the spring, then the fuse. Replace the tip cap, then the knob. Turn the knob clockwise to tighten it.



## **TROUBLESHOOTING**

Some notebook computers have power supplies in excess of the rating of this power adapter (30 watts). In most cases, this higher rating is used to both charge a completely discharged battery and power the computer at the same time. This power adapter can be used for such applications, but it is recommended that the computer's battery be recharged before using this adapter to operate the computer.

**Caution:** Except as noted for notebook computers (see "Compatible Computers" on Page 21), the power adapter's 30-watt rating must be equal to or greater than the requirement of the device to be powered. Using an adapter that provides less current can damage the adapter or the device being powered.

In the unlikely event of insufficient power, you may encounter slower battery charging time or automatic shutdown of the power adapter. In case of automatic shutdown, try one or more of these steps to reset the adapter:

- Disconnect the power adapter from the device being powered for about 30 minutes or until the adapter case returns to room temperature and the green indicator comes on, indicating the adapter is ready.

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- Completely recharge the battery before using the computer. Use the power adapter to charge the battery, but do not operate the computer during charging.
  - If the battery is easily removable, remove it from the computer to eliminate the power requirement for recharging.

**Note:** The power adapter can be used to charge the battery in your notebook computer by connecting it to the computer with the battery installed, and leaving the computer turned off.

### Case Temperature

This adapter is a high energy “switching regulated power supply” and generates a significant amount of heat when used at peak power for extended periods. As a safety feature, an internal precision circuit monitors power and temperature and limits the output to within safe limits. Even with this feature, the case can become warm to the touch.

When using this power adapter, care should be taken to avoid blocking the air vents in the case. When possible, it is recommended that the case be positioned to enable maximum air circulation.

## **SPECIFICATIONS**

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### **Input**

Voltage ..... 11–16V DC  
Power ..... 4A (Maximum)  
In-Rush Current ..... 5A, Cold Start  
@ Room Temperature (77°F/25°C)  
Standby Current (Minimum) ..... 14.1 mA @ 11V DC  
16.5 mA @ 13.8V DC  
18.3 mA @ 16V DC

Protection Features ..... Fused Input  
Reverse Voltage  
Over Current  
Over Temperature Foldback

Fuse ..... 6A/250V Fast-Blow 1/4" × 1 1/4" Glass Type  
Cord ..... 4-Foot UL Coiled Cord, Extended Length  
Connector ..... Cigarette-Lighter Plug, Fused

### **Output**

Programmable Voltages ..... 6 to 21V DC  
Voltage Regulation ..... ±5% or ±5V DC  
Power ..... 30 Watts (Maximum)  
Output Cord ..... About 1.5 Feet with Receptacle

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### Mechanical

Dimensions ..... 1.7 × 1.4 × 2.6 Inches  
(43 × 36 × 66 mm)

Weight ..... Less than 8 oz  
(227 g)

Enclosure ..... Injection Molded Cycolac ABS, UL94V-0

Indicators ..... Input Power-On LED (Cigarette Lighter)  
Output Power-On LED (Case)

### Environmental

Temperature:

- Maximum Performance ..... 32° to 122°F (0° to 50°C)
- Operation ..... -22° to 140°F (-30 to 60°C)
- Storage ..... -22° to 185°F (-30 to 85°C)

Humidity:

- Operation ..... 10–90% RH Non-Condensing
- Storage ..... 5–95% RH Non-Condensing

Altitude:

- Operation ..... -1,000 to 10,000 ft (-300 to 3,000 m)
- Storage ..... -1,000 to 49,000 ft (-300 to 15,000 m)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

## **COMPATIBLE COMPUTERS**

The Notebook Computer Universal 30W Power Adapter is compatible with all notebook computers listed in the following table. The table is not necessarily comprehensive, though, so your notebook computer could work with this adapter even though it is not listed. Verify it against your computer's original power supply, as manufacturing changes are sometimes made in mid-production.

<b>Manufacturer</b>	<b>Model No.</b>	<b>Volts</b>	<b>Tip Color</b>	<b>Tip Polarity</b>
Acer	1100LX	18	White	NEG
ALR	Venture 16	21	White	POS
ALR	Venture 386SX	21	White	POS
Altec Lansing	Multimedia CD-ROM	12	Blue	POS
AMS	SoundBook P54	7	White	NEG
Apple	Newton PDA100	7	Blue	POS
Apple	PowerBook 100	8	Blue	POS
Apple	PowerBook 140	8	Blue	POS
Apple	PowerBook 145/B	8	Blue	POS
Apple	PowerBook 150	8	Blue	POS
Apple	PowerBook 160	8	Blue	POS
Apple	PowerBook 165	8	Blue	POS
Apple	PowerBook 165C	8	Blue	POS

<b>Manufacturer</b>	<b>Model No.</b>	<b>Volts</b>	<b>Tip Color</b>	<b>Tip Polarity</b>
Apple	PowerBook 170	8	Blue	POS
Apple	PowerBook 180	8	Blue	POS
Apple	PowerBook 180C	8	Blue	POS
Apple	Stylewriter Printer	9	Blue	NEG
AST	Advantage 486sx/25	21	Blue	NEG
AST	Advantage Explorer	21	Blue	NEG
AST	Advantage Notebooks	21	Blue	NEG
AST	Ascentia 800	19	White	POS
AST	Ascentia 800N	19	White	POS
AST	Ascentia 810N	19	White	POS
AST	Ascentia 950N	18	Blue	POS
AST	Ascentia P Series	19	White	POS
AST	Bravo Notebooks	14	Green	POS
AST	BravoL/CDX2-66	21	Blue	NEG
AST	Explorer Notebooks	14	Green	POS
Atari	Stacy	17	Blue	NEG
Austin	IPC486DX	7	White	NEG
Austin	IPC486DX2	7	White	NEG
Austin	IPC486SX	7	White	NEG

<b>Manufacturer</b>	<b>Model No.</b>	<b>Volts</b>	<b>Tip Color</b>	<b>Tip Polarity</b>
Bondwell	B200	9	Blue	POS
Bondwell	B210	9	Blue	POS
Bondwell	B310	9	Blue	POS
Bondwell	B310+	9	Blue	POS
Bondwell	B310A	9	Blue	POS
Brother	HJ100i	9	Blue	NEG
CAF	386SX	18	White	POS
Canon	200LS	19	Blue	POS
Canon	BJ-10e	9	Blue	NEG
Canon	BJ-10ex	9	Blue	NEG
Canon	BJ-10sx	9	Blue	NEG
Canon	BJ-20ex	9	Blue	NEG
Canon	BJ-30	13	Green	POS
Canon	BJ-5	9	Blue	NEG
Canon	BJC-210	9	Blue	NEG
Canon	BJC-4100	9	Blue	NEG
Canon	BJC-610	9	Blue	NEG
Canon	BJC-70	13	Green	POS
Canon	Innova NoteJet 486	20	Green	POS
Canon	InnovaBook 1000	20	Green	POS
Canon	InnovaBook 350CD	20	White	POS
Canon	InnovaBook 350P	20	White	POS
Canon	InnovaBook 475	20	White	POS

<b>Manufacturer</b>	<b>Model No.</b>	<b>Volts</b>	<b>Tip Color</b>	<b>Tip Polarity</b>
Citizen	PN60	8	Blue	NEG
Coax	Coax 386SX	21	White	POS
Coax	SmartBook V-Star	19	Blue	POS
Coax	Ultrathin 386SX/20	19	White	POS
Compaq	5300	18	Blue	POS
Compaq	Concerto 4/25	18	Green	POS
Compaq	Concerto 4/33	18	Green	POS
Compaq	Contura 3/20	18	Green	POS
Compaq	Contura 3/25	18	Green	POS
Compaq	Contura 3/25C	18	Green	POS
Compaq	Contura 4/25	18	Green	POS
Compaq	Contura 4/25C	18	Green	POS
Compaq	Contura 4/25CX	18	Green	POS
Compaq	Contura 430C	17	Blue	POS
Compaq	Contura Aero	18	Blue	POS
Compaq	Presario 1080	19	Green	POS
Compaq	Presario 1232	19	White	POS
CompuAdd	Companion	15	Green	POS
CP+	Portable Printers	9	Blue	NEG
CTX International	EasyBook	18	White	POS
Data Point	4808J	19	White	POS
DEC	PC425SE	21	Blue	NEG
Decision Mate	486SLC	19	White	POS



<b>Manufacturer</b>	<b>Model No.</b>	<b>Volts</b>	<b>Tip Color</b>	<b>Tip Polarity</b>
Decision Mate	Decision Mate SX	19	White	POS
Dell	325SLI	12	Blue	POS
Dell	Latitude 425	14	Green	POS
Dell	Latitude 433	14	Green	POS
Dell	Latitude 433C	14	Green	POS
Dell	NL320SLI	12	Blue	POS
EPS	EPS Notebook	20	White	POS
Epson	ActionNote 4000	15	White	POS
Epson	ActionNote 700	15	White	POS
Epson	ActionNote 700C	15	White	POS
Epson	ActionNote 800	19	White	POS
Epson	ActionNote 866	19	White	POS
Epson	ActionNote 866C	19	White	POS
Epson	ActionNote 880C	19	White	POS
Epson	ActionNote 880CX	19	White	POS
Epson	ActionNote 888CX	19	White	POS
Epson	ActionNote 895CX	19	White	POS
Everex	DesigNote	20	White	POS
Everex	StepNote 486	20	White	POS
Fora	NBL386S	19	White	POS

<b>Manufacturer</b>	<b>Model No.</b>	<b>Volts</b>	<b>Tip Color</b>	<b>Tip Polarity</b>
Goldstar	GS520	18	White	POS
Hewlett Packard	DeskJet 310 Printer	10	White	NEG
Hewlett Packard	DeskJet 320 Printer	10	White	NEG
Hewlett Packard	DeskJet 340	11	Blue	POS
Hewlett Packard	DeskJet 500 Printer	10	White	NEG
Hewlett Packard	DeskJet 500C Printer	10	White	NEG
Hewlett Packard	OmniBook 300	12	Blue	NEG
Hewlett Packard	OmniBook 425	12	Blue	NEG
Hewlett Packard	OmniBook 430	12	Blue	NEG
Hewlett Packard	OmniBook 530	12	Blue	NEG
Hewlett Packard	OmniBook 600	12	Blue	NEG
Hewlett Packard	OmniBook 600C	12	Blue	NEG
Hewlett Packard	Vectra LS12	17	Blue	NEG
Honeywell	AP-L	17	Blue	NEG
Hyundai	Neuron 433SLC	15	White	POS
IBM	PS/2 L40SX	15	Green	POS
IBM	PS/2 N33SX	15	Green	POS
IBM	ThinkPad 350	15	Green	POS
IBM	ThinkPad 350C	15	Green	POS
IBM	ThinkPad 365ED	16	White	POS
IBM	ThinkPad 560	16	White	POS

<b>Manufacturer</b>	<b>Model No.</b>	<b>Volts</b>	<b>Tip Color</b>	<b>Tip Polarity</b>
IBM	ThinkPad 700	15	Green	POS
IBM	ThinkPad 700C	15	Green	POS
IBM	ThinkPad 701C	16	White	POS
IBM	ThinkPad 701CS	16	White	POS
IBM	ThinkPad 720	15	Green	POS
IBM	ThinkPad 720C	15	Green	POS
Keynote	Notebook (ADP-38AB)	19	Blue	POS
Kodak	Diconix 150+ Printer	9	Blue	NEG
Kodak	Diconix 180si Printer	9	Blue	NEG
Kodak	Diconix 701 Printer	10	White	NEG
Lapcom	LT529	9	White	POS
Lexmark	4070 Printer	9	Blue	NEG
Librex	Adapter SCO2P	12	Blue	POS
Librex	Adapter SPCE813	15	Blue	POS
Magitronic	NoteBook w/ CD	20	White	POS
Mitac	40235XT	17	Green	POS
Mitsuba	Ninja 12-1	17	Blue	POS
MPC	M700	18	White	POS
NBCC	386SX Notebook	21	White	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
NBCC	386SX/20 Notebook	21	White	POS
NBCC	386SXN Notebook	21	White	POS
NEC	MultiSpeed EL	9	Blue	NEG
NEC	UltraLite Versa 550D	19	White	POS
Packard Bell	PB286LP	17	Blue	POS
Panasonic	CF150B	9	Blue	NEG
Polaroid	Hand Scanner	14	Blue	POS
ProStar	Pentium	20	White	POS
Sharp	MX100	9	Blue	NEG
Sharp	MZ100	9	Blue	NEG
Sharp	MZ200	9	Blue	NEG
Sharp	MZ250	9	Blue	NEG
Sharp	PC2100	9	Blue	NEG
Sharp	PC3010	19	White	POS
Sharp	PC3020	19	White	POS
Sharp	PC3030	19	White	POS
Sharp	PC3050	19	White	POS
Sharp	PC3060	19	White	POS
Sharp	PC3070	19	White	POS
Sharp	PC4500	9	Blue	NEG
Sharp	PC4501	9	Blue	NEG
Sharp	PC4502	9	Blue	NEG
Sharp	PC4521	9	Blue	NEG
Sharp	PC4620	9	Blue	NEG

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Sharp	PC4641	9	Blue	NEG
Sharp	PC4741	9	Blue	NEG
Sharp	PC5500	17	Green	POS
Sharp	PC5541	17	Green	POS
Sharp	PC5700	17	Green	POS
Sharp	PC5741	17	Green	POS
Sharp	PC6200	15	Green	POS
Sharp	PC6220	15	Green	POS
Sharp	PC6541	15	Green	POS
Sharp	PC6700	15	Green	POS
Sharp	PC6781	15	Green	POS
Sharp	PC6800	15	Green	POS
Sharp	PC6900	15	Green	POS
Sharp	PC9020	18	Blue	POS
Sony	MZ1	11	Blue	POS
Star Micronics	StarJet SJ-48	9	Blue	NEG
Tandy	100FD	9	Blue	NEG
Tandy	1400FD	15	Blue	NEG
Tandy	1400HD	15	Blue	NEG
Tandy	1400LT	9	Blue	NEG
Tandy	140XT	15	Blue	NEG
Tandy	2800	9	Blue	NEG
Tandy	Portable Printer	9	Blue	NEG
Texas Instruments	Extensa 450	20	White	POS
Texas Instruments	Extensa 450T	20	White	POS
Texas Instruments	Extensa 510	20	White	POS

<b>Manufacturer</b>	<b>Model No.</b>	<b>Volts</b>	<b>Tip Color</b>	<b>Tip Polarity</b>
Texas Instruments	Extensa 515	20	White	POS
Texas Instruments	Extensa 550	20	White	POS
Texas Instruments	Extensa 550CD	20	White	POS
Texas Instruments	Extensa 550CDT	20	White	POS
Texas Instruments	Extensa 555	20	White	POS
Texas Instruments	Extensa 555CD	20	White	POS
Texas Instruments	Extensa 565CD	20	White	POS
Texas Instruments	Extensa 570CDT	20	White	POS
Texas Instruments	Extensa 575CD	20	White	POS
Texas Instruments	Extensa 575CD	20	White	POS
Texas Instruments	LT286	17	Green	POS
Texas Instruments	LT286/25	17	Green	POS
Texas Instruments	LT286/45	17	Green	POS
Texas Instruments	TI-45	17	Green	POS
Texas Instruments	TM2000	15	Green	POS
Texas Instruments	TM4000M	18	Blue	POS
Texas Instruments	TM5000	12	White	POS
Texas Instruments	TM5010	12	White	POS
Texas Instruments	TM5020	12	White	POS
Texas Instruments	TM5030	12	White	POS
Texas Instruments	TM5100	12	White	POS
Texas Instruments	TM5200	12	White	POS
Texas Instruments	TM5300	12	White	POS
Toshiba	Expresswriter 301	12	Green	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Toshiba	Portege 300CT	15	Green	POS
Toshiba	Portege 610CT	15	Green	POS
Toshiba	Portege 620CT	15	Green	POS
Toshiba	Portege 650CT	15	Green	POS
Toshiba	Portege 660CDT	15	Green	POS
Toshiba	T1000	9	White	POS
Toshiba	T1000LE	12	Green	POS
Toshiba	T1000SE	12	Green	POS
Toshiba	T1000XE	12	Green	POS
Toshiba	T100X	12	Green	POS
Toshiba	T1100+	9	Blue	NEG
Toshiba	T1200	12	Green	POS
Toshiba	T1200F	12	Green	POS
Toshiba	T1200FB	12	Green	POS
Toshiba	T1200H	12	Green	POS
Toshiba	T1200HB	12	Green	POS
Toshiba	T1200HD	12	Green	POS
Toshiba	T1200XE	12	Green	POS
Toshiba	T1600	12	Green	POS
Toshiba	T1800	15	Green	POS
Toshiba	T1850	15	Green	POS
Toshiba	T1850C	15	Green	POS
Toshiba	T1900	18	Blue	POS
Toshiba	T1900C	18	Blue	POS
Toshiba	T1910	18	Blue	POS

Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Toshiba	T1910CS	18	Blue	POS
Toshiba	T1950	18	Blue	POS
Toshiba	T1950CS	18	Blue	POS
Toshiba	T1950CT	18	Blue	POS
Toshiba	T1960	18	Blue	POS
Toshiba	T1960CS	18	Blue	POS
Toshiba	T1960CT	18	Blue	POS
Toshiba	T200	15	Green	POS
Toshiba	T200CS	15	Green	POS
Toshiba	T2400CS	18	Blue	POS
Toshiba	T2400CT	18	Blue	POS
Toshiba	T2450CT	18	Blue	POS
Toshiba	T3400	15	Green	POS
Toshiba	T3400CT	15	Green	POS
Toshiba	T3600CT	15	Green	POS
Toshiba	T4500	15	Green	POS
Toshiba	T4500C	15	Green	POS
Toshiba	T4600	15	Green	POS
Toshiba	T4700	18	Blue	POS
Toshiba	T4700CS	18	Blue	POS
Toshiba	T4700CT	18	Blue	POS
Toshiba	T4800CT	18	Blue	POS
Toshiba	T4850CT	18	Blue	POS
Toshiba	T4900CT	18	Blue	POS
Toshiba	Tecra 700	15	Green	POS
Toshiba	Tecra 700CDT	15	Green	POS



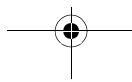
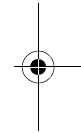
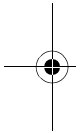
Manufacturer	Model No.	Volts	Tip Color	Tip Polarity
Toshiba	Tecra 700CS	15	Green	POS
Toshiba	Tecra 700CT	15	Green	POS
Toshiba	Tecra 710CDT	15	Green	POS
Toshiba	Tecra 720CDT	15	Green	POS
Toshiba	Tecra 730CDT	15	Green	POS
Toshiba	Tecra 730XCDT	15	Green	POS
Toshiba	Tecra 740CDT	15	Green	POS
Trogon	7200	21	Blue	POS
Veridata	Execulite 386S	19	White	POS
WinBook	386SXNB-20B	19	White	POS
WinBook	XP	19	White	POS
Wyse	386SX	19	White	POS
Wyse	386SX/20N	19	White	POS
Wyse	Decision Mate 486SLC	19	White	POS
Wyse	Decision Mate SX	19	White	POS
Zenith	SuperSport 286	17	Blue	NEG
Zenith	SuperSport 286e	17	Blue	NEG
Zenith	SuperSport 386SX	17	Blue	NEG
Zenith	Z-Star EX	20	White	POS
Zeos	Contenta Sub-Notebook	14	Green	POS

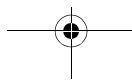
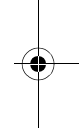
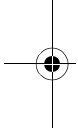


# NOTES

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### Limited Ninety-Day Warranty

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