NEC VersaBay IV
6-Cell Secondary Battery

Congratulations on purchasing an NEC® VersaBay™ IV 6-cell secondary battery for your NEC Versa® notebook computer! Use the VersaBay IV secondary battery *in addition* to the primary battery to extend the amount of time you can run your system on battery power before recharging.

Before installing the battery be sure to read the information in this document about:

■ Features

■ Removing a Device from the NEC VersaBay IV Slot

■ Installing the VersaBay IV Secondary Battery

■ Removing the VersaBay IV Secondary Battery

■ Using the Secondary Battery

■ Charging the Battery

■ Determining Battery Status

■ General Battery Precautions

■ Battery Disposal

■ Battery Specifications

⚠ **WARNING**   To prevent accidental battery ignition or explosion, adhere to the following:

■ Keep the battery away from extreme heat.
■ Keep metal objects away from the battery connector to prevent a short circuit.
■ Make sure the battery is properly installed in the battery bay.
■ Do not alter or disassemble the battery.
■ Read any precautions printed on the battery.

Keep the following in mind when removing or replacing a battery.

■ Use only the battery designed for your system in your NEC Versa notebook computer. Mixing other manufacturers' batteries, or using a combination of very old and new batteries can deteriorate battery and equipment performance.

■ Clean the battery connector with a dry cloth when it gets dirty.

■ Keep the battery out of the reach of children.

Features

The NEC VersaBay IV 6-cell secondary battery can be installed in the VersaBay IV slot, for use *in addition* to the primary battery. See the following figure for features.

The VersaBay IV secondary battery

A – Battery Connector   **B** – Notch for Latch/Eject Lever

Removing a Device from the NEC VersaBay IV Slot

Before installing your new NEC VersaBay IV drive, remove any device or the weight-saving module (if in place) from the VersaBay IV slot as follows.

1. If a VersaBay IV drive is in the slot, use the Phoenix® BaySwap™ utility or power off the system. (See your printed user's guide for information about the Phoenix BaySwap utility.)

    If a VersaBay IV weight-saving module is in the VersaBay IV slot, skip to step 2.

2. Locate the NEC VersaBay IV release latch to the right of the VersaBay IV slot.

3. Flip the latch to the open position. Then press the latch into the system to eject the device.

4. Pull the device out of the system.

Removing a device from the VersaBay IV slot

⚠ **CAUTION** Always install the weight-saving module that ships with your system in the VersaBay IV slot if no VersaBay IV device is installed in the slot. See "Installing a Device in the NEC VersaBay IV Slot" in your printed user's guide for instructions on installing the module.

Installing the VersaBay IV Secondary Battery

Use the following steps to install the VersaBay IV 6-cell secondary battery.

1. If you need to remove a device from the VersaBay IV slot, see "Removing a Device from the VersaBay IV Slot," earlier in this document.

    For information on hot swapping or warm swapping devices, see the information about the Phoenix BaySwap utility in your printed user's guide.

2. Locate the NEC VersaBay IV release latch to the right of the VersaBay IV slot.

3. Flip the latch to the open position.

4. Align the battery in the NEC VersaBay IV slot and push it in until it fits securely into the bay.

Inserting the VersaBay IV secondary battery

5. Press the latch back to the locked position.

6. Press the Power button to power on.

Removing the VersaBay IV Secondary Battery

Remove the VersaBay IV secondary battery as you would any VersaBay IV device. See the section, "Removing a VersaBay IV Device" earlier in this document for complete instructions.

⚠ **CAUTION** If you plan to hot swap a VersaBay IV battery and the system is not connected to an AC power source, verify that the primary battery is not in a low-power state. If it is, plug in the system before removing the VersaBay IV battery.

Using the Secondary Battery

Use these precautions when using the secondary battery in the VersaBay IV slot.

⚠ **WARNING** Do not run the system on secondary battery power without the primary battery in place. The connector in the primary battery bay can cause a danger if it is accidentally touched, or if it connects with a metal object.

If the VersaBay IV slot is empty, always install the weight-saving module to protect the bay and the connector within it.

Charging the Battery

Charge the primary battery and secondary battery by simply connecting your NEC system to an AC power source. To monitor the charging activity, observe the battery charging LED on the front of the system. The battery charging LED lights as follows:

■ Lights amber when the primary battery is charging.

■ Blinks amber if the primary battery encounters an error while charging.

■ Lights green when the secondary battery is charging.

■ Blinks green if the secondary battery encounters an error while charging.

⚠ **CAUTION** During charging, keep the environmental temperature between 32°F and 104°F (0°C to 40°C).

For directions on getting a detailed battery status, see the section, "Determining Battery Status."

Determining Battery Status

Your NEC Versa system provides tools to help you keep track of the primary and secondary battery power level. If your system is configured (default setting) to display the Power icon on the taskbar, an electrical plug appears when the system is connected to an AC power source or a battery icon displays when the system is not connected to an AC power source.

Use the system's power meter to determine battery status. Access the system's power meter in the following ways:

■ Move the cursor over the Power icon on the taskbar to display the remaining battery power for the system's primary battery.

■ Right click the Power icon on the taskbar to open the power meter or to adjust power properties.

■ Double click the Power icon on the taskbar to display the remaining power for both the primary and secondary battery (if any).

- Go to Start, Settings, Control Panel, and double click the Power Management icon and select the Power Meter tab.

General Battery Precautions

To prevent accidental battery ignition, rupture, or explosion, adhere to the following precautions.

⚠ **WARNING** There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

To avoid personal injury and property damage, read these battery precautions on handling, charging, and disposing Li-Ion batteries.

- Keep the battery away from heat sources including direct sunlight, open fires, microwave ovens, and high-voltage containers. Temperatures over 140º F (60ºC) may cause damage.
- Do not drop or impact the battery.
- Do not disassemble the battery.
- Do not solder the battery.
- Do not puncture the battery.
- Do not use a battery that appears damaged or deformed, has any rust on its casing, is discolored, overheats, or emits a foul odor.
- Keep the battery dry and away from water.
- Keep metal objects away from battery connector. Metal objects in contact with the connector can cause a short circuit and damage.

⚠ **WARNING** If the battery leaks:

- If the battery leaks onto skin or clothing, wash the area immediately with clean water. Battery fluid can cause a skin rash and damage fabric.
- If battery fluid gets into eyes, DO NOT rub; rinse with clear water immediately and consult a doctor.
- Take extra precautions to keep a leaking battery away from fire. There is a danger of ignition or explosion.

Battery Disposal

The VersaBay IV 6-cell secondary battery is made of lithium ion (Li-Ion).

Do not place used batteries in your regular trash. The batteries must be collected, recycled, or disposed of in an environmentally approved manner.

Contact your local waste management officials for other information regarding the environmentally sound collection, recycling, and disposal of the batteries.

Battery Specifications

- 6-cell lithium ion (Li-Ion) battery
- optional secondary system battery
- form factor: NEC VersaBay IV
- output voltage of 11.1V, 3300 mAh

NEC