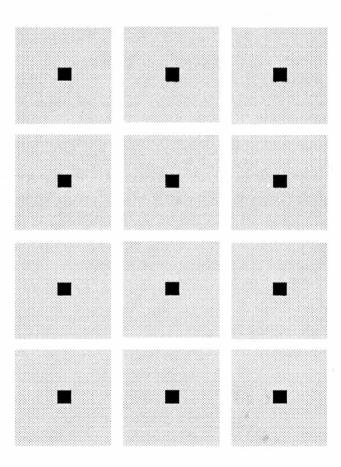
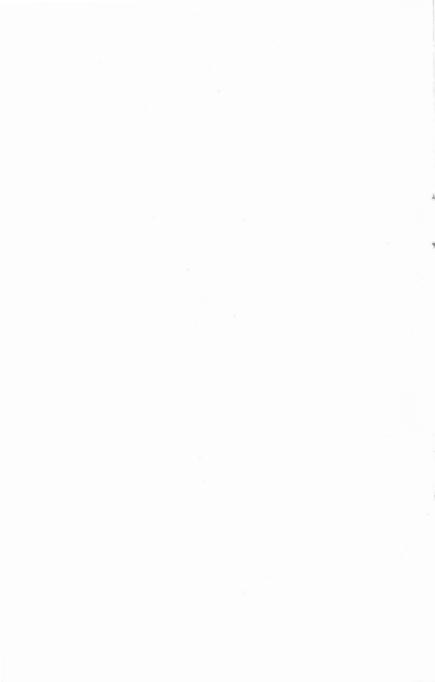


GRiDCASE Extended Duty Battery Pack User's Guide





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The GRiDCASE Extended Duty Battery Pack provides power to the GRiDCASE computer from rechargeable batteries permanently sealed inside the battery pack. The battery pack also can power the GRiDCASE computer with an external Pocket Floppy Diskette Drive (Model 3401) attached. You must use the External AC Power Pack to provide power for any other external devices.

The battery pack has not been charged prior to shipment and will not power a GRiDCASE computer without being charged. See Recharging the Battery Pack, at the end of this booklet, for methods of recharging the battery pack.

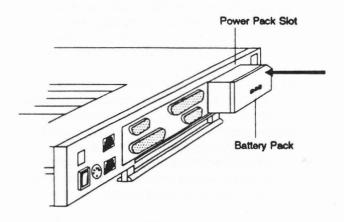
NOTE: To properly recharge the battery pack, you should use the Model 32515 Rapid Battery Charger. Charging the battery pack inside the computer or with other chargers may not charge the battery pack to its full capacity.

Installing the Battery Pack

The battery pack fits into the power pack slot on the back of the GRiDCASE computer. Follow these steps to install the battery pack:

- 1. Turn off the computer.
- Hold the battery pack with the label facing you as you are looking at the back of the computer.

Insert the battery into the power pack slot on the back of the computer until it clicks into place, as shown below.



4. Turn on the computer.

To remove the battery pack, push in the power pack eject button (below the power pack slot) until the battery pack pops out.

NOTE: Before removing the battery pack, make sure that you have saved any data you are working with or have attached an external power source, otherwise, any data in main memory (RAM) is lost.

The Life of the Battery Pack

The amount of time that the battery pack can power the computer depends on the model of your computer and how you use it. You will get the fullest capacity out of your battery pack after you have fully discharged and recharged it about three times. Thereafter, the life of your battery pack depends on the following factors:

- The type of screen on your computer. In general, computers with plasma screens consume more power than those with LCD screens. If your computer has a plasma screen, lowering the intensity of the display decreases the power drain on the battery. If your computer has a backlit LCD screen, decreasing the intensity of the backlight, or turning it off, decreases the power drain on the battery.
- The type of internal disk drive installed in your computer. If your computer has an internal hard disk drive, it requires more power than if it is equipped with only internal floppy disk drives. Some GRiD computers with hard disks have a power saving feature whereby the hard disk can be powered down when it is not in use. Refer to your MS-DOS documentation for more information.
- The number of processors in your computer. If your computer has an optional numeric coprocessor, it requires more power than if it has only the standard processor.

- Storing the battery pack at high temperature (over 90°
 F) for two months or longer without any recharging.
 Note that it might take a few rechargings for the battery pack to return to normal after storage in such conditions.
- Restarting the computer by using the power switch to turn the computer off and then on again. Instead try using the warm start-up method: press the keys CTRL-ALT-DEL simultaneously.

NOTE: Do not use any operating system other than those supplied for the GRiDCASE computer. Other operating systems are not designed to optimize battery life.

If you find that you frequently need additional battery life, we recommend carrying extra battery packs or ordering the GRiDCASE Attachable Battery Pack, which can provide over three times the battery life of the internal battery pack. These battery packs can be ordered from your GRiD representative.

What To Do When the Low-Battery Indicator Lights

The low-battery indicator on the GRiDCASE computer lights when the battery pack is nearly discharged (refer to your computer Owner's Guide for more details). Proceed as follows when this indicator lights:

- Save your data immediately. Sufficient power remains for this operation, but you may have only a minute or two of additional battery life. Additional battery life varies based on your computer's configuration and the application.
- Supply external power to your computer by attaching one of the following power sources:
 - External AC Power Pack
 - External Battery Pack
 - Cigarette Lighter Adapter Cable (plugged into an automobile cigarette lighter receptacle)
- Once external power is supplied, you can exchange the discharged battery pack for a fully charged battery pack without turning off the computer.
- If external power is not available, save your data and turn off the computer. Then replace the battery pack with a fully charged battery pack and restart the computer.

Recharging The Battery Pack

You should generally wait for the battery to become completely discharged before recharging it. This is indicated when the low-battery indicator on the computer lights. If you recharge the battery pack before it is fully discharged, the batteries may lose some of their capacity.

To properly recharge the battery pack, you should use the Model 32515 Rapid Battery Charger. Charging the battery pack inside the computer or with other chargers may not charge the battery pack to its full capacity.

Refer to the Rapid Battery Charger Owner's Guide for instructions on using it to recharge the battery pack. This charging unit can recharge the battery pack in approximately two hours.

Warnings

- Do not attempt to open the battery case. There are no user-serviceable parts inside.
- Do not dispose of the battery pack in a fire or incinerator; it could explode.

