

Thank you for purchasing the Sony Battery charger.

Before operating this Battery charger, please read this manual thoroughly and retain it for future reference.

Owner's Record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call upon your Sony dealer regarding this product.

Model No. **BC-VW1**

Serial No. _____

WARNING

To reduce fire or shock hazard, do not expose the unit to rain or moisture. Do not expose the batteries to excessive heat such as sunshine, fire or the like.

IMPORTANT SAFETY INSTRUCTIONS

-SAVE THESE INSTRUCTIONS DANGER

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS

- If the shape of the plug does not fit the power outlet, use an attachment plug adaptor of the proper configuration for the power outlet.
- This power unit is intended to be correctly orientated in a vertical or floor mount position.

The nameplate indicating operating voltage, power consumption, etc. is located on the bottom.

Battery to be recharged for this product is follows

Brand Name	Sony
Battery Type	NP-FW50
Rating	DC 7.2 V typ.: 7.7 Wh (1,080 mAh) min.: 7.3 Wh (1,020 mAh)

CAUTION

- Connect this unit to an available wall outlet (wall socket). Even when the CHARGE lamp of this unit is off, the power is not disconnected. If any trouble occurs while this unit is in use, unplug it from the wall outlet (wall socket) to disconnect the power.
- Do not use this unit in a narrow space such as between a wall and furniture.

NOTICE FOR THE CUSTOMERS IN THE U.S.A.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Notes on Use

This unit does not have dust-proof, splash-proof or water-proof specifications.

Warranty for Recorded Content

Contents of the recording cannot be compensated if recording or playback is not made due to a malfunction of the battery pack, battery charger, etc.

Where not to place this unit

- Do not place this unit in any of the following locations, whether it is in use or in storage. Doing so may lead to a malfunction.
- In direct sunlight such as on dashboards or near heating apparatus, as this unit may become deformed or malfunction
 - Where there is excessive vibration
 - Where there is strong electromagnetism or radiant rays
 - Where there is excessive sand
- In locations such as the seashore and other sandy areas or where dust clouds occur, protect this unit from sand and dust. There is a risk of malfunction.

Precautions on Use

- Attach the battery pack firmly to this unit when charging the battery pack.
- To protect the battery pack, remove it from this unit when charging is completed.
- Do not drop or apply mechanical shock to this unit.
- Keep this unit away from TVs or AM receivers. Noise from this unit may enter a TV or radio if placed nearby.
- Unplug this unit from the wall outlet (wall socket) after use. Hold this unit when you unplug it from the wall outlet (wall socket).
- Be sure that nothing metallic comes into contact with the metal parts of this unit. If it does, a short may occur and this unit may be damaged.
- Do not connect this unit to a voltage adaptor (travel converter) for overseas travel. This may result in overheating or another malfunction.
- The battery pack and this unit can become warm during or immediately after recharging.

Maintenance

- If this unit gets dirty, wipe it using a soft dry cloth.
- If this unit gets very dirty, wipe it using a cloth with a little neutral solvent added, and then wipe it dry.
- Do not use thinners, benzene, alcohol, etc., as they will damage the surface of this unit.
- When you use a chemical cleaning cloth, refer to its instruction manual.
- Using a volatile solvent such as an insecticide or keeping this unit in contact with a rubber or vinyl product for a long time may cause deterioration or damage to this unit.

To Charge the Battery Pack

1 Attach the battery pack.

Keeping the battery mark ▼ in the same direction as the charger mark ▼, insert the battery pack until it clicks into place. (See illustration **A**).

2 Pull the power plug up, and then connect it to a wall outlet (wall socket).

Always connect the power plug with the prongs at the top (See illustration **B**).

Do not connect the power plug with the prongs at the bottom (See illustration **C**).

The CHARGE lamp (orange) lights up and charging begins.

When the CHARGE lamp goes out, normal charging is completed (**Normal charge**).

For a full charge, which allows you to use the battery pack longer than usual, leave the battery pack in place for approximately another one hour (**Full charge**).

To remove the battery pack

Remove the battery pack by sliding it in the opposite direction to when you attached it.

Charging time

Battery pack	NP-FW50
Normal charging time (Approx.)	250 min

- For more about the battery life, see the instruction manual of your camera.
- The charging time may differ depending on the condition of the battery pack or the ambient temperature.
- The times shown are for charging an empty battery pack, which has been run down with a camera, using this unit at an ambient temperature of 25 °C (77 °F).

Charging temperature

The temperature range for charging is 0 °C to 40 °C (32 °F to 104 °F). For maximum battery efficiency, the recommended temperature range when charging is 10 °C to 30 °C (50 °F to 86 °F).

To use the battery pack quickly

You can remove the battery pack from this unit and use it even if charging is not completed. However, the charging time affects the time that the battery pack can be used.

Notes

- If the CHARGE lamp does not light up, check if the battery pack is firmly attached to this unit.
- When a fully charged battery pack is installed, the CHARGE lamp lights up once and then goes out.
- A battery pack that has not been used for a long time may take longer than usual to charge.

You can use the battery charger in any country/region where the power supply is from 100 V to 240 V AC, 50 Hz/60 Hz. Do not connect this unit to a voltage adaptor (travel converter) for overseas travel. This may result in overheating or another malfunction.

Troubleshooting

When the CHARGE lamp blinks, check through the following chart. When charging a battery pack that has not been used for a long time, the CHARGE lamp may blink in some rare cases. If this happens, remove the battery pack from this unit and then attach and charge it again.

The CHARGE lamp blinks in two ways.

Blinks slowly: Turns on and off repeatedly every 1.5 seconds
Blinks quickly: Turns on and off repeatedly every 0.15 seconds
The action to be taken depends on the way the CHARGE lamp blinks.

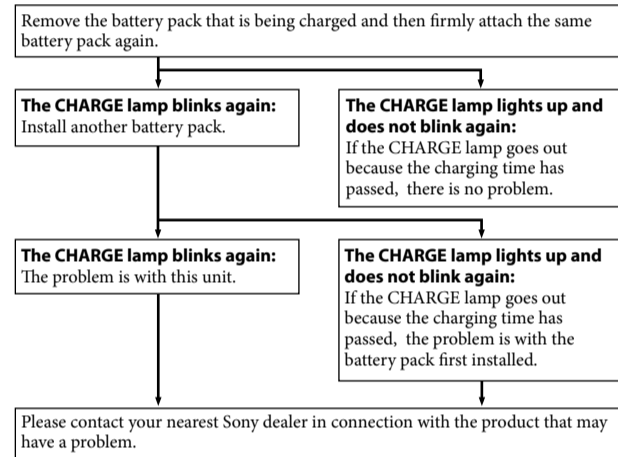
When the CHARGE lamp keeps blinking slowly

Charging is pausing. This unit is in the standby state. If the room temperature is out of the appropriate temperature range, charging stops automatically.

When the room temperature returns to the appropriate range, the CHARGE lamp lights up and charging restarts. We recommend charging the battery pack at 10 °C to 30 °C (50 °F to 86 °F).

When the CHARGE lamp keeps blinking quickly

Check through the following chart.



Specifications

Input rating	100 V - 240 V AC 50 Hz/60 Hz 8 VA - 13 VA 4.2 W
Output rating	Battery charge terminal: 8.4 V DC 0.28 A
Operating temperature	0 °C to 40 °C (32 °F to 104 °F)
Storage temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Dimensions	Approx. 63 mm × 95 mm × 32 mm (w/h/d) (2 1/2 in. × 3 3/4 in. × 1 5/16 in.)
Mass	Approx. 85 g (3.0 oz)
Included items	Battery Charger (BC-VW1) (1) Set of printed documentation

Design and specifications are subject to change without notice.

α is a trademark of Sony Corporation.

α

Battery Charger Chargeur de Batterie

Operating Instructions
Mode d'emploi



BC-VW1

© 2010 Sony Corporation Printed in Japan



4262124110

- The BC-VW1 battery charger can only be used to charge an "InfoLITHIUM" battery pack (W series).
- "InfoLITHIUM" battery packs (W series) have the mark.
- This unit cannot be used to charge a nickel cadmium type or nickel metal hydride type battery pack.
- "InfoLITHIUM" is a trademark of Sony Corporation.

