

NP-FV70

Rechargeable
Battery Pack
Batterie
rechargeable



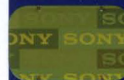
SERIES



SERIES



SERIES



ActiFORCE™ ^{*2}

"ActiFORCE" is an advanced battery system
«ActiFORCE» est un système de batterie perfectionné

Standard Definition Recording time ^{*1}

NP-FV70 **UP TO 7.0 hrs.REC**

supplied BATT.
NP-FV30 1.5 hrs.

Supplied BATT. / Data based on DCR-SX43 (1.8W power consumption)
BATT. fournie / Données basées sur DCR-SX43 (1,8W de consommation électrique)

Hi Definition Recording time

NP-FV70 **UP TO 4.0 hrs.REC**

supplied BATT.
NP-FV50 2.0 hrs.

Supplied BATT. / Data based on HDR-CX150 (3.1W power consumption)
BATT. fournie / Données basées sur HDR-CX150 (3,1W de consommation électrique)

Remaining Power

 3 min



Quick
Accurate

Remaining Power / Quick / Accurate
Puissance Restante / Rapide / Précis

InfoLITHIUM®

SONY®

SONY

NP-FV70

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This product also supports Sony devices that are compatible with H series and P series batteries.
Ce produit peut aussi être utilisé avec les appareils Sony qui sont compatibles avec les batteries de série H et de série P.

- Please read the inside before using.
- Prière de lire les remarques au sujet de la batterie.
- Do not carry the video equipment by grasping the battery pack.
- Ne transportez pas l'appareil vidéo en saisissant la batterie.
- 6.8V typ. 14.0Wh (2060mAh) min. 13Wh (1960mAh)

InfoLITHIUM™

The "InfoLITHIUM" is a lithium ion battery pack which can exchange data with compatible electronic equipment about its energy consumption. Sony recommends that you use the "InfoLITHIUM" battery pack with electronic equipment having the InfoLITHIUM logo.

La batterie «InfoLITHIUM» est une batterie au lithium-ion qui peut échanger des informations concernant son autonomie avec les appareils électroniques compatibles. Sony vous conseille d'utiliser la batterie «InfoLITHIUM» avec les appareils électroniques portant le logo InfoLITHIUM.

*2 "ActiFORCE" is an advanced battery system. Battery capacity, boost charge, and the speed and accuracy of battery time remaining calculations have been improved when compared with current "InfoLITHIUM" P-series batteries.

*2 «ActiFORCE» est un système d'alimentation perfectionné. Par rapport aux batteries «InfoLITHIUM» de série P actuelles, l'autonomie de la batterie, la charge rapide ainsi que la rapidité et la précision des calculs de l'autonomie restante ont été améliorées.

For a complete list of all camcorders compatible with this battery, please visit : www.sony.com/dibattery
Pour une liste complète de tous les caméscopes compatibles avec cette batterie, veuillez aller voir le site : www.sony.com/dibattery

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Sony Corporation
Made in Japan
Fabriqué au Japon
<http://www.sony.net/>



NP-FV70 (UC)



NP-FV70



*1

NP-FV100 14.5hrs.

NP-FV70 7.0hrs.

NP-FV50 3.5hrs.

NP-FV30 1.5hrs.

Sony has Intellectual Property rights relating to its "InfoLITHIUM" batteries including copyrights relating to the software and pending and issued patents throughout the world including U.S.Pat. Nos. US PATENT 5473262, 5672441, 5783998, 6222348, 6512984, EP0707350, HK1013174.

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4-168-502-0□

RECYCLING LITHIUM-ION BATTERIES

Lithium-Ion batteries are recyclable.

You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www.rbrbc.org/>

Caution: Do not handle damaged or leaking Lithium-Ion batteries.

CAUTION

If the battery pack is mishandled, the battery pack can burst, cause a fire or even chemical burns. Observe the following cautions. • Do not disassemble. • Do not crush and do not expose the battery pack to any shock or force such as hammering, dropping or stepping on it. • Do not short circuit and do not allow metal objects to come into contact with the battery terminals. • Do not expose to high temperature above 60 °C (140 °F) such as in direct sunlight or in a car parked in the sun. • Do not incinerate or dispose of in fire. • Do not handle damaged or leaking lithium ion batteries. • Be sure to charge the battery pack using a genuine Sony battery charger or a device that can charge the battery pack. • Keep the battery pack out of the reach of small children.

• Keep the battery pack dry. • Replace only with the same or equivalent type recommended by Sony. • Dispose of used battery packs promptly as described in the instructions.

Using the battery pack • To charge the battery efficiently, fully charge it in an ambient temperature of 10 °C to 30 °C (50 °F to 86 °F). • Battery pack performance decreases in low-temperature surroundings. To conserve battery power, we recommend that you keep the battery pack warm, for example in your pocket, and only insert it in your electronic device just before use. • Have spare battery packs handy for two or three times the expected recording time, and make trial recording before taking the actual recording. • If the power goes off even though the remaining battery time shows the battery pack has enough power to operate, charge the battery pack fully again so that the correct remaining battery time is shown. Note that the remaining battery time is sometimes not restored if used in high temperatures for a long time or left in a fully charged state, or if the battery pack is frequently used. Regard the remaining battery time shown as the approximate recording time. • When using the optional AC adaptor/charger AC-VQP10, the battery life indicator may not be displayed. • Fully charge the battery pack once a year and then fully use it up on your electronic device before storing in a dry, cool place. Repeat this charging and using up once a year to maintain the battery pack's function. • The battery life is limited. If the remaining battery time is considerably shortened, the battery pack is reaching the end of its life. Replace with a new one. • The battery life varies in each battery pack according to the storage, operating conditions and environment. • Refer to the operating instructions of the electronic device for further details.

No compensation for contents of the recording Contents of the recording cannot be compensated for if recording or playback is not possible due to a malfunction of the battery pack or other devices.

Specifications Maximum output voltage: DC 8.4 V / Mean output voltage: DC 6.8 V / Maximum charge voltage: DC 8.4 V / Maximum charge current: 3.0 A / Capacity (typ.): Approx. 14.0 Wh (2,060 mAh) / Capacity (min.): 13 Wh (1,960 mAh) / Operating temperature: 0 °C to 40 °C (32 °F to 104 °F) / Dimensions: Approx. 31.8 ×



35.3 × 45.1 mm (w/h/d) (1 5/16 × 1 7/16 × 1 13/16 in.) / Mass: Approx. 96 g (3.4 oz.)

Design and specifications are subject to change without notice.

For customers in the U.S.A./Pour les clients aux É.-U.

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.

Note:

L'appareil a été testé et est conforme aux exigences d'un appareil numérique de Classe B, conformément à la Partie 15 de la réglementation de la

AVERTISSEMENT

Par la présente, vous êtes avisé du fait que tout changement ou toute modification ne faisant pas l'objet d'une autorisation expresse dans le présent manuel pourrait annuler votre droit d'utiliser l'appareil.

SONY[®]

Batterie

GARANTIE LIMITÉE

Sony Electronics Inc. (quant aux achats aux États-Unis) et Sony du Canada Ltée (quant aux achats au Canada) («Sony») garantissent le présent produit d'être sans défaut de fabrication ou de matériel durant la période d'un (1) an à compter de la date d'achat original. Sous cette garantie limitée, Sony procédera, à son gré, (i) à la réparation du produit, en utilisant des pièces neuves ou remises à neuf; ou (ii) au remplacement du produit par un produit neuf ou remis à neuf. Dans cette garantie limitée, «remis à neuf» signifie un produit ou une pièce qui a été remis à neuf selon ses caractéristiques d'origine. **En cas de défaut, vos uniques recours sont décrits dans la présente garantie.**

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LA DURÉE DES GARANTIES IMPLICITES: SAUF DANS LA MESURE OÙ LA LOI APPLICABLE L'INTERDIT, LA DURÉE DE TOUTE GARANTIE OU CONDITION IMPLICITE DE QUALITÉ MARCHANDE OU DE L'ADAPTABILITÉ À UNE FIN PARTICULIÈRE RELATIVEMENT AU PRODUIT EST LIMITÉE À LA DURÉE DE CETTE GARANTIE LIMITÉE.

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Instructions: **Vous êtes responsable de la sauvegarde des données, logiciels ou autres matériaux que vous avez stockés ou préservés sur votre produit. Ces données, logiciels ou autres matériaux risquent d'être perdus ou reformatés lors de la réparation, et Sony ne sera pas tenu responsable de tels dommages ou pertes.** Vous devez présenter une preuve d'achat qui indique la date d'achat. Pour obtenir le service de garantie aux États-Unis, vous devez livrer le produit, ou l'expédié, frais de transport payés à l'avance, soit dans son emballage d'origine, soit dans un emballage comparable offrant un degré de protection comparable, à l'un des centres de réparation autorisé Sony. Pour obtenir le service de garantie au Canada, vous devez livrer le produit soit au concessionnaire autorisé Sony où vous aviez acheté le produit, soit à l'un des centres de réparation autorisé Sony.

Veillez contacter, aux États-Unis:

Sony Customer Information Center
12451 Gateway Blvd., Fort Meyers, FL 33913;
www.sony.com/service; ou (800)222-SONY.

Veillez contacter, au Canada:

Sony du Canada Ltée,
115 Gordon Baker Road, Toronto, Ontario M2H 3R6.

SONY®**BATTERY**

LIMITED WARRANTY (Short Form, includes Canada)

Sony Electronics Inc. (for U.S. Sales) and Sony of Canada Ltd (for Canadian Sales) ("Sony") warrants this product against defects in material or workmanship for a period of one (1) year from date of original purchase. Pursuant to this Limited Warranty, Sony will, at its option, (i) repair the product using new or refurbished parts or (ii) replace the product with a new or refurbished product. For purposes of this Limited Warranty, "refurbished" means a product or part that has been returned to its original specifications. **In the event of a defect, these are your exclusive remedies.**

LIMITATION ON DAMAGES: SONY SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY OR CONDITION ON THIS PRODUCT.

DURATION OF IMPLIED WARRANTIES: EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states or jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This Limited Warranty gives you specific legal rights and you may have other rights which vary from state to state or jurisdiction to jurisdiction.

Instructions: It is your responsibility to backup any data, software or other materials you may have stored or preserved on your unit. It is likely that such data, software, or other materials will be lost or reformatted during service and Sony will not be responsible for any such damage or loss. A dated purchase receipt is required. To obtain warranty service within the United States, you must take the Product, or deliver the Product freight prepaid, in either its original packaging or packaging affording an equal degree of protection, to any authorized Sony service facility. To obtain warranty service within Canada, you must take the Product to the authorized Sony dealer where you purchased the Product, or to a Sony service facility.

In the United States contact:

Sony Customer Information Service Center
12451 Gateway Blvd., Fort Myers, FL 33913;
www.sony.com/service; or (800) 222-SONY.

In Canada contact:

Sony of Canada Ltd.
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