



ULTRA[®] LITHIUM ION BATTERY SYSTEM

ProPOWER[™]

* Please note that the actual product appearance may differ slightly from the photos in this catalog.

* Product specifications are subject to change without notice.

*The list price of each product described in this catalog does not include tax, delivery fee, construction, connection adjustment and other expenses.

ULTRA® BATTERY SYSTEM

ProPOWER™



- 5-stage indicator
- Compact · Lightweight · High power Output
- Compatible with cameras with large current
- Standard USB terminal (can charge mobile phones, etc.)
- CAMTAP® Output
- The battery charger can charge all batteries simultaneously

ProPOWER™ LITHIUM ION BATTERY

Ultra-compact and lightweight

The BP-98Li is 91mm x 120mm x 55mm (HxWxD) and about 700g, achieving a top-level compactness and high capacity in this class. The BP-160Li is 91mm x 120mm x 90mm (WxHxD) and about 1.1kg, and the BP-270Li has the same size as the BP-160Li and has the largest class 270Wh, 1.3kg.



This photo is size comparison of almost the same capacity of other companies' products.

5-stage battery indicator

Equipped with a battery indicator that indicates whether the battery is charged. You can check the detailed situation with 5 levels display. Lights only while the indicator button is pressed.



Camera light terminal CAMTAP® output

Equipped with a power output terminal CAMTAP® terminal for driving lights, VTRs, LCD monitors, etc. from the battery body. Can be output simultaneously with camera output. All PROTECH lithium-ion battery series are equipped as standard.



Power supply for various devices

In recent years, recording with HD cameras, 4K / 8K cameras, recording devices, etc. has begun. In particular, 4K / 8K devices have high power consumption and some devices that cannot be driven by conventional batteries are starting to appear. The ULTRA® battery system is designed to drive almost all equipment at present, and is developed from the field perspective and offers highly advantageous batteries.

Protection circuit and protection function

Battery cell control is the lifeblood of controlling Li-ion battery cells. In the ULTRA® battery system, the overcurrent protection device, overvoltage protection device, battery temperature monitoring sensor, and protection circuit will work even if the terminals are shorted. (When the battery is charged with the dedicated charger, the protection is released and the battery can be used normally.) In addition, it is constantly monitored by the dedicated monitoring LSI to enable stable power output.



Standard USB terminal that can also be used to charge mobile phones

All PROTECH lithium-ion battery series are equipped with a USB power supply that is convenient for charging mobile phones. It can also be used for charging mobile phones at locations and outside.



Long-time operation with large capacity battery

The BP-270Li is a battery that can be operated for a long time. It is the best to operate a single lithium-ion battery. The high-capacity 270Wh strongly backs up the shooting site.

98W Lithium ion battery

BP-98Li

● **Accessory** : Instruction manual

Features ● Lithium ion battery (98W) ● V-mount type ● 5-level LED power indicator ● CAMTAP output connector ● Built-in USB interface

Specifications ● OUTPUT / Voltage : 14.8V / Capacity : 6600mAh / Maximum output : 98W ● GENERAL / Size (WxHxD) : 120x91x55 mm / Weight : 700g



135W Lithium ion battery

BP-135Li

● **Accessory** : Instruction manual

Features ● Lithium ion battery (135W) ● V-mount type ● 5-level LED power indicator ● CAMTAP output connector ● Built-in USB interface

Specifications ● OUTPUT / Voltage : 14.8V / Capacity : 9100mAh / Maximum output : 135W ● GENERAL / Size (WxHxD) : 120x91x55 mm / Weight : 750g



160W Lithium ion battery

BP-160Li

● **Accessory** : Instruction manual

Features ● Lithium ion battery (160W) ● V-mount type ● 5-level LED power indicator ● CAMTAP output connector ● Built-in USB interface

Specifications ● OUTPUT / Voltage : 14.8V / Capacity : 10800mAh / Maximum output : 160W ● GENERAL / Size (WxHxD) : 120x91x90 mm / Weight : 1100g



270W Lithium ion battery

BP-270Li

● **Accessory** : Instruction manual

Features ● Lithium ion battery (270W) ● V-mount type ● 5-level LED power indicator ● CAMTAP output connector ● Built-in USB interface

Specifications ● OUTPUT / Voltage : 14.8V / Capacity : 18200mAh / Maximum output : 270W ● GENERAL / Size (WxHxD) : 120x91x90 mm / Weight : 1300g



CAUTION : When transporting lithium-ion batteries by air

In the air transport of lithium-ion batteries, the rules governing the transport of lithium-ion batteries on aircraft are applied based on the IATA Dangerous Goods Regulations (IATA DGR) and ICAO Technical Guideline Version 2019-2020. Protec lithium-ion battery cells have passed the UN Manual of Tests and Criteria, Part III, Subsection 38.3. Air transport must be carried out in accordance with IATA Dangerous Goods Regulations, but up to two Li-ion batteries with less than 160Wh in air baggage can be in the cabin. 100Wh or less is up to 20 pieces. If the number is limited by airline regulations or if there are changes in international guidelines, etc., follow them.

For luggage on board an aircraft

There are two types of checked baggage and carry-on baggage. In the case of carry-on, up to 2 BP-160Lis and up to 20 BP-98Lis can be transported. BP-270Li cannot be transported by aircraft.

PROTECH lithium-ion battery air transport safety label identification ● PROTECH lithium-ion battery BP-98Li can be carried on board up to 20 pieces.

(Luggage weight, etc., follow the airline.) ● Up to two PROTECH lithium ion batteries BP-135Li and BP-160Li can be carried in the cabin. (Depending on the airline, please determine whether you can carry them.)

● PROTECH lithium battery BP-270Li is not available for air transport

For freight transportation

When transporting lithium-ion batteries, certain procedures must be followed in full compliance with the IATA Dangerous Goods Regulations. (Consult with the shipping company.) When transporting the lithium-ion battery (shipper), be sure to check the original IATA dangerous goods regulations. It is necessary to attach the "Cargo Transport Special Handling Label (CAO Label)" to the package of freighter transport of a lithium-ion battery alone. Cargo transportation of lithium-ion batteries is possible by freighter. (Single transport on passenger aircraft is not allowed.) The charge rate of lithium-ion batteries during cargo transport is limited to 30% or less of the rated capacity. When transporting as non-dangerous goods by air, no more than two lithium-ion batteries of 100 Wh or less per waybill.



ProPOWER™ LITHIUM ION BATTERY

Charge all batteries simultaneously

DS-2 / DS-4 can be charged simultaneously. Quick charging is possible. Since each channel is charged at the same time, the charging time is shorter than that of a sequentially charged charger. Also, it can charge from standard battery to BP-270Li high capacity battery. Large-capacity battery charging, which is difficult with other products, has been realized.

Drive AC85V~240V

AC85V-240V input that can be charged with confidence even when shooting overseas. Rechargeable anywhere.

DC15V output possible by switching

Equipped with a Canon 4P output as well as a charging function. The changeover switch can switch between the charger mode and DC15V60W output. Camera equipment can be driven by AC.



1ch quick battery charger

DS-1

● **Accessory** : Power cable/Instruction manual/
Guarantee



Features ● CAMTAP charger

Specifications ● INPUT / AC : 100V - 240V (50Hz/60Hz) ● OUTPUT / DC 16.8V 3A

V-mount 2ch simultaneous battery charger

DS-2

● **Accessory** : Power cable/Instruction manual/
Guarantee



Features ● V-mount 2 channel charger ● Charges two batteries simultaneously
Specifications ● INPUT / AC : 100V - 240V (50Hz/60Hz) ● OUTPUT / 2 Channels : DC 16.8V 3A / DC out : DC 15V 4.5A ● GENERAL / Size (WxHxD) : 245x150x100 mm / Weight : 1.06 kg

V-mount 4ch simultaneous battery charger

DS-4

● **Accessory** : Power cable/Instruction manual/
Guarantee



Features ● V-mount 4 channel charger ● Charges 4 batteries simultaneously
Specifications ● INPUT / AC : 100V - 240V (50Hz/60Hz) ● OUTPUT / 4 Channels : DC 16.8V 3A / DC out : DC 15V 4.5A ● GENERAL / Size (WxHxD) : 256x118x188 mm / Weight : 2.75kg

CONTACT



Manufacturer

PROTECH® Web More PROTECH product details and spec ▶▶▶ <http://nipros.jp>



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