

Warranty

Pila IBC chargers are offered with a 12-month warranty and Pila Li-ion batteries with a 1-month warranty starting from the date of purchase and invoice issued by approved Pila distributors, retailers and shops. The warranty covers manufacturing defects and workmanship only.

For Terms and Conditions refer to our Website www.pilatorch.com under "General Sales Terms and Conditions"

Pila® Trademark and Design

Pila® is a registered Trademark owned by Permalight (Asia) Co., Ltd. The company reserves all rights on design of Pila flashlights, Pila Li-ion batteries and Pila IBC charger. The company reserves the right to change design and specifications of IBC charger, Pila Li-ion batteries and Pila flashlights without prior notice.

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Assembled in China

09030123

Pila®

Pila Intelligent Li-ion Battery Charging System

Manual

- ☆ Before first operation, charge batteries
- ☆ Insert batteries into charger with correct polarity
- ☆ For charging Pila Li-ion batteries ONLY

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Pila Rechargeable Li-ion Batteries (300P, 300S / 600P, 600S)

Specifications

Battery model	Pila 300P Li-ion	Pila 600P Li-ion	Pila 300S Li-ion	Pila 600S Li-ion
Voltage	3.7V	3.7V	3.7V	3.7V
Capacity	1400mAh	2200mAh	1000mAh	1500mAh
Weight	40g	50g	35g	45g
Length	53mm	68mm	53mm	68mm
Diameter	18mm		17mm	
Protection circuit	Safe recharge and discharge protection circuit			
Charging cycles	> 500			
Shelf-life*	approx. 7 to 10 years			
"Memory effect"	None			
Temperature Range	-20°C to + 60°C			
Disposal	Environmental friendly (no content of toxic heavy metals)			

* Note : For extended storage time, the battery charge shall be kept between 3.7V and 4.0V and not fall below 3.6V

Safety

Pila IBC™ Charger

- Pila IBC charger is designed for charging Pila rechargeable Li-ion batteries only! Do not use Pila IBC charger for charging any type of batteries other than Pila Li-ion, as this might damage the charger and/or cause unapproved batteries to explode. **Misusing the Pila IBC charger will void warranty.**
- Batteries must be inserted into charger with CORRECT polarity.
- Batteries must be charged in a safe, clean and dry environment.
- Avoid flames, sparks, flammable liquids and vapours near batteries and charger.
- Do not attempt to open the Pila IBC charger or adaptors as warranty will be voided.

Pila Rechargeable Li-ion Batteries

- Pila Li-ion batteries are solely intended to power Pila flashlights as well as a majority of professional flashlights (6V, 9V and 12V) where a Pila battery can be substituted for batteries like Lithium CR123A.
- Overloading will damage the batteries or cause an explosion. **Any misuse of Pila batteries will void warranty.**
- Do not peel-off, puncture, disassemble and/or deform batteries.
- Do not short-circuit batteries.
- Do not immerse batteries in water or any other liquids.
- Do not expose batteries to excessive heat, open flames or fire.
- When using Pila Li-ion batteries, do not mix Pila Li-ion batteries with cells of different sizes, chemistries, types or brands.
- **For charging Pila Li-ion batteries, use Pila IBC Charger only.**
- Store batteries in a clean and dry environment.
- Batteries must be recycled or disposed properly.

Disclaimer

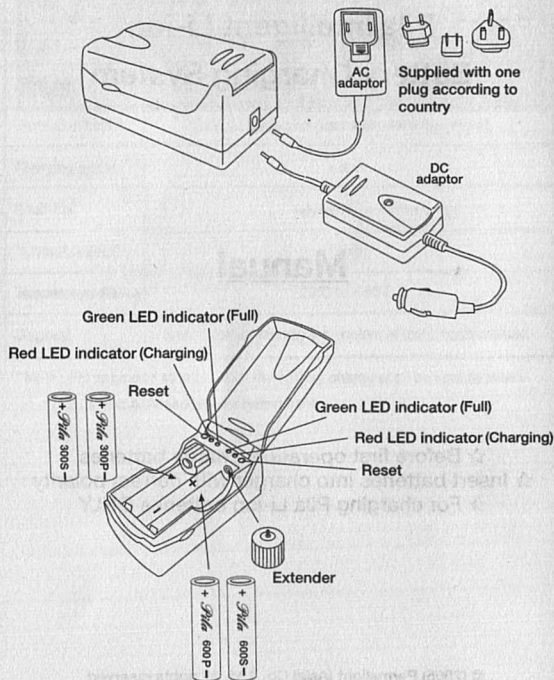
With the purchase of Pila Li-ion batteries, Pila IBC charger and related accessories, the customer agrees to all sales terms and conditions set by Permalight (Asia) Co. Ltd. and to follow the safety instructions stated in the Pila manuals. The owner/user agrees to be solely responsible for any misuse of Pila flashlights and/or accessories including Pila Li-ion batteries and Pila IBC charger and for any resulting damage, fire and/or injuries, fatalities involving himself and/or any third party. Under no circumstances shall Permalight (Asia) Co. Ltd. be accountable and/or held liable for any negligent act by the customer/user. All risks remain with the user.

Pila Intelligent Li-ion Battery Charging System

Pila intelligent Li-ion battery charging system is designed for all Pila flashlights and for a majority of professional flashlights where a Pila battery can be substituted for batteries like Lithium CR123A. Using environmental friendly Pila rechargeable Li-ion batteries helps greatly to reducing battery costs!

Pila Intelligent Li-ion Battery Charging System:

- Pila IBC™ Charger
- Pila rechargeable Li-ion batteries



Pila IBC™ Charger

Pila IBC is an intelligent four-stage charger for charging maximal two Pila Li-ion batteries (300P, 300S, 600P, 600S). The charger is protected against short-circuit and reverse battery connection. The normal charging time is around 3 1/2 hours.

Four stage charging process:

- Stage 1 – Automatic analyzing battery status
- Stage 2 – Quick charge
- Stage 3 – Slow charge
- Stage 4 – Standby mode, trickle charge

Operation:

1. Connect charger to power outlet using AC/DC adaptor.
For vehicle, use DC/DC adaptor.
2. Open charger cover.
3. Insert batteries with **correct polarity**. You may insert one or two Pila Li-ion batteries, also different models.
4. After charging is completed, remove batteries, close cover, unplug charger.

Note: No deep discharging of batteries is required!

Charger LED Indicators

Battery Indicators	Green / Red LED	Status
"No batteries"	Green LEDs ON. Red LEDs fast blinking	Battery compartment empty. Charger is operational.
"CHARGING"	Red light ON, Green OFF	Charging in progress
"FULL"	Green light ON, Red OFF	Charging process completed
"RESET"	a) Green LEDs ON b) Press RESET- Red LEDs ON (charging) c) Green LEDs ON when fully charged.	If batteries were used for a while but Green LEDs indicate that batteries are charged, press RESET to charge to 100%.
"Batteries defect"	Green LEDs ON. Red LEDs fast blinking.	Batteries defect and cannot be charged.

Pila IBC™ Charger

Specifications

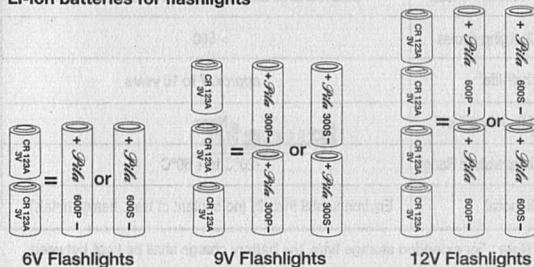
Model	: Pila IBC™
AC/DC adaptor power in	: 100 to 240 VAC (50/60 Hz)
AC/DC adaptor power out	: 6 VDC / 2.5 A
DC/DC adaptor power in	: 12 to 24 VDC
DC/DC adaptor power out	: 6 VDC / 3 A
IBC Charger DC in	: 6 VDC / 2-3 A
IBC Charger DC out	: 4.2 VDC / 600mA x 2
Charging time	: Approx. 3 1/2 hours (Room temperature)
Ambient temperatures	: 0°C to 40°C (32°F to 104°F) for operation -20°C to 60°C (-4°F to 140°F) for storage
Dimensions	: Approx 95mm (L) 55mm (W) 48mm (H)
Weight	: Approx.130g (excluding adaptor and power cord)

Pila Rechargeable Li-ion Batteries (300P, 300S / 600P, 600S)

Highlights:

- Pila Li-ion batteries can be used with all Pila flashlights and with a majority of professional flashlights where a Pila battery can be substituted for batteries like Lithium CR123A.
- Pila Li-ion batteries greatly reduce operation costs.
- Internal safety circuitry (IC) ensures safe operation protecting the battery from overcharging as well as from over-discharging.
- High performance Li-ion technology with no memory effect.
- Environmental friendly.

Compatibility – Standard Lithium CR123A and Pila rechargeable Li-ion batteries for flashlights



Notes:

Pila "P" type batteries are mainly for Pila® flashlights. "S" types are reduced in diameter to fit lithium battery (CR123A) operated flashlights of other brands. For "S" batteries, an additional spring might be used for connection between Xenon lamp assembly and batteries.

For further "Compatibility Information" visit www.pilatorch.com