

SWIT®

PC-P461S/A/B

Portable 4-ch Battery Fast Charger

Ver:E

USER MANUAL

SWIT Electronics Co.,Ltd.

Tel: +86-25-85805753
Fax: +86-25-85805296
http://www.swit.cc
E-mail: contact@swit.cc

Thank you for choosing SWIT products. Please read the instructions before using, and keep it for future reference.

Warning

Keep in mind the following precautions to avoid fire or electric shock!

- Never expose the battery charger to rain or moisture.
- Never attempt to open the battery charger, please contact the local agent if have problems.
- Never use metal or other conductors to touch the inside of the battery charger.
- Never short-circuit the battery charger terminals.
- Please make sure the voltage range is fit for the battery charger.

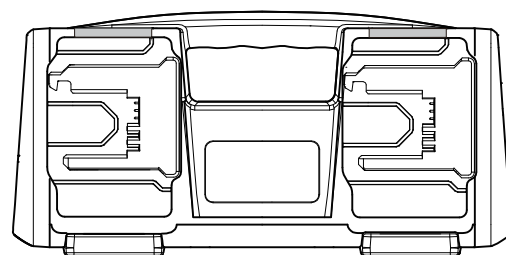
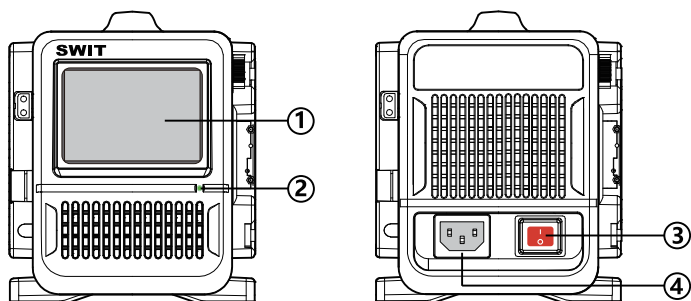
Caution

- Only limited to charge specified battery(ies), it may cause danger if charge other battery(ies) due to incompatibility problem.
- Keep the terminals clean and ensure the reliable connection.
- It is a normal phenomenon that the battery charger may become warm in use.
- Do not cover the cooling vent.
- Please do not put the battery charger on unstable place, it may fall and cause serious damage.
- Do not use other brand AC power cable to avoid damage.

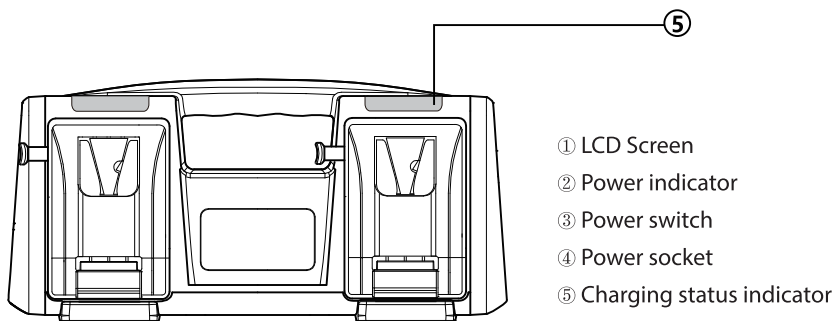
Features

- Intelligent identification of fast charging battery, PC-P461S/A can support 4-ch 6A fast charge simultaneously.
- PC-P461S/B automatically identifies SWIT 14.4V and 28.8V batteries to switch charging voltages.
- Real-time monitoring of the current state and intelligent regulation of charging current, which makes charging more efficient.
- 3.5 inch full-view highlight screen for real-time monitoring of battery and charging information in various light environments.
- 4-ch super big independent LED, Clear indication of battery charging status.
- Full range of temperature, voltage, current protection functions, makes the charger safe and reliable.

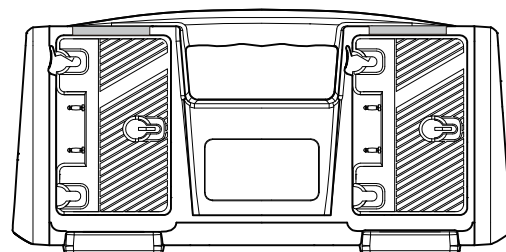
Appearance



B-Mount Charger



V-Mount Charger



Gold-Mount Charger

Charging and Display Function

■ Charging status indicator:

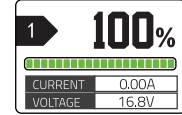
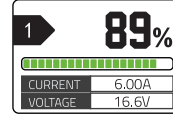
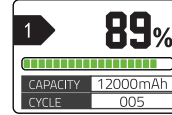
0%~80% Red light always on
81%~99% Green light flash
100% Green light always on
Error: Red light flash

■ LCD Screen :

1. Standby



2. Charging



- ① After mounting the battery, the charger prepares to charge.
- ② Show the capacity and cycle times for 5s, then enter in charging interface ③.
- ③ Show the percentage of battery capacity, battery voltage and the charging current.
- ④ Charging complete.

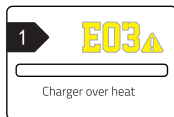
3. Relationship between charging current and battery temperature of fast charging battery:

16.8/6A fast charge		33.6V/3A fast charge	
Battery temperature	Charging current	Battery temperature	Charging current
<48°C	6A	<48°C	3A
≥48°C	3A, Battery regain 6A fast charge after battery temperature is under 45°C	≥48°C	1.5A, Battery regain 3A fast charge after battery temperature is under 45°C



When the battery get over-heat protection, charger can recognize the temperature of battery, battery will be recharged after the temperature drops.

4. Error



Code of Error :

E01	Battery initialization failed	Please check the battery status and try to replug.
E02	Communication failed	Please replug the battery.
E03	Charger over-heat protection	Please check if the fan is working normally, If so, move the charger to a cold place.
E04	Charger fault	Please replug the battery or wait until the battery returns to normal temperature and replug.
E05	Self-check fault	Please restart the charger.

Specifications

Model	PC-P461S	PC-P461A	PC-P461B
Mounting model	V-Mount	Gold-Mount	B-Mount
Input voltage	100 ~ 240VA, 50/60Hz		
Input power	450W(Max)		
Output voltage/current	16.8V --- 3A / 6A×4ch 33.6V --- 1.5A/3A×4ch	16.8V --- 3A / 6A×4ch	16.8V --- 1.5A/3A×4ch, 33.6V --- 1.5A/3A×4ch
Operating temperature	-20°C ~ 50°C		
Operating humidity	10%RH ~ 90%RH		
Dimension	330×153×162mm	330×135.6×162mm	330×140×162mm
Net weight	About 2.43kg		