

SWIT®

Li-ion V-Mount Battery

PB-C420S

Ver: A

USER MANUAL

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Thank you for choosing SWIT products, please read this user manual before using and keep it properly for future reference.

Warning

Remember the following precautions to avoid fire and other safety hazards!

- Do not expose to heat and never throw the battery in a fire to avoid over-heat, battery broken.
- Do not pierce or drill into the outer casing of the unit.
- Do not use outside of specified temperature ranges.
- Do not leave or charge the battery exposed to excessive heat such as in a car or directly under the sun light.
- Do not attempt to use the battery if damaged.
- Do not subject the unit to extreme physical impact or pressure, or Place any object across the terminals that could cause it to short.
- Charge with SWIT battery charger only.
- Keep away from child.

Caution

- It is normal for the battery to heat up during charging and discharging.
- Always keep the connectors clean.
- The battery will still power down naturally during storage, store in cool and dry conditions, keep the capacity of battery between 25%-50%.
- Battery will get into sleep mode without using for 10 days, need to charge or press button to recover.

Features

- 29.4Ah high capacity, power your device for long time.
- Two D-TAP ports for self-charging or external power supply.
- Five power status LED indicators accurately display remaining power capacity.
- There are four types of protection circuits to ensure the battery is protected from Over-charge, Over-discharge, Over-current and Thermal protection.

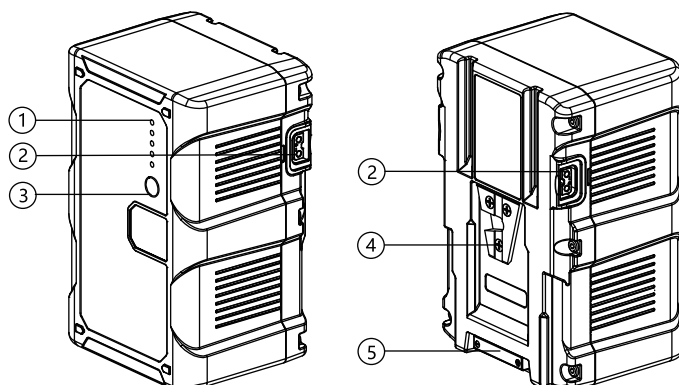
Charging

- Can be charged with SWIT PC-P461 (6A Fast charging), SWIT S-3812S (6A Fast charging), SWIT S-3822S, SWIT PC-P430S, SWIT SC-302S.
- The LED Indicator light will show the remaining power when charging (20%, 40%, 60%, 80%, 95%).
- The ambient temperature range for charging is -4~122°F (-20~50°C), however, 14~104°F (-10~40°C) is recommended for optimizing the discharging performance.

Discharging

- Please put on the rubber cover immediately after use the D-tap to avoid dust
- The ambient temperature range for discharging is 32~104°F (0~40°C), however, 50~86°F (10~30°C) is recommended for optimizing the discharging performance.

Appearance



- ① LED Indicators
- ② D-TAP Input/Output ports
- ③ Indicator button
- ④ V-mount
- ⑤ Main electrode

Capacity display LEDs

- The LED Indicator light will show the remaining power when charging (20%,40%,60%,80%,95%).

Capacity	LED Display (U → D)
≥95%	●●●●●●
80% ~ 95%	☀●●●●●
60% ~ 80%	○☀●●●●
40% ~ 60%	○○☀●●●
20% ~ 40%	○○○☀●●
<20%	○○○○☀●

• Trouble shooting

U → D ☀☀○○○	If the battery is under discharge protection, try the following actions to recover: 1. Remove the battery and wait for the battery to recover by itself. 2. Please put the battery in the shade, after a few minutes of cooling, the battery will automatically recover; If the battery cannot be recovered after the preceding operations, it indicates that the battery is exhausted. Charge the battery as soon as possible.
U → D ○○○☀☀	1. Remove the battery and wait for the battery to recover by itself. 2. please put the battery in the shade, after a few minutes of cooling, the battery will automatically recover; 3. Please remove the battery and try to recover it by discharging it.
U → D ☀☀☀☀☀☀	The battery cannot be charged or discharged. Please put the battery in a cool place and wait for the core temperature to decrease (Recommended > 30 minutes). Then hang the battery on the charger and try to charge. If the battery is charged normally, the battery will return to normal.

Specifications

Model			PB-C420S
Capacity			420Wh, 29.4Ah
Nominal Voltage			14.4V
Output power	Main electrode	Discharging	250W, 20A
		Charging	16.8V≡6A
	D-TAP*2	Discharging	150W,10A
		Charging	16.8V≡6A
	Total discharge power		250W,20A
Dimensions			100.97mm*154.97mm*80mm
Dimensions(With package)			107.05mm*164.6mm*85.43mm
Weight			2.071kg
Weight(With package)			2.109kg
Charging temperature			0℃～40℃ (Recommend 10℃～30℃)
Discharging temperature			-20℃～50℃ (Recommend -10℃～40℃)
Storage temperature			-20℃～50℃