

# SWIT®

## Heavy Duty Digital Li-ion Battery Pack

Ver:V1.0.0V01

# USER MANUAL

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Congratulations on your purchase of this product. Please read this user manual carefully.

### Warning

**Keep in mind the following cautions to avoid safety hazard such as fire.**

- ◆ Never place the battery in hot place or fire to avoid overheating or break.
- ◆ Do not pierce or open the battery shell or disassemble the battery.
- ◆ Never use the battery beyond its charging, discharging and storage temperature.
- ◆ Do not charge the battery in the car or in direct sunlight.
- ◆ Do not use damaged battery.
- ◆ Do not squeeze the battery shell which may cause physical damage.
- ◆ Make sure the power-consuming equipment(s) meet the battery specifications.
- ◆ Use the specified charger to charge the battery to avoid overheating or beak.
- ◆ Keep out of the reach of children.

### Features

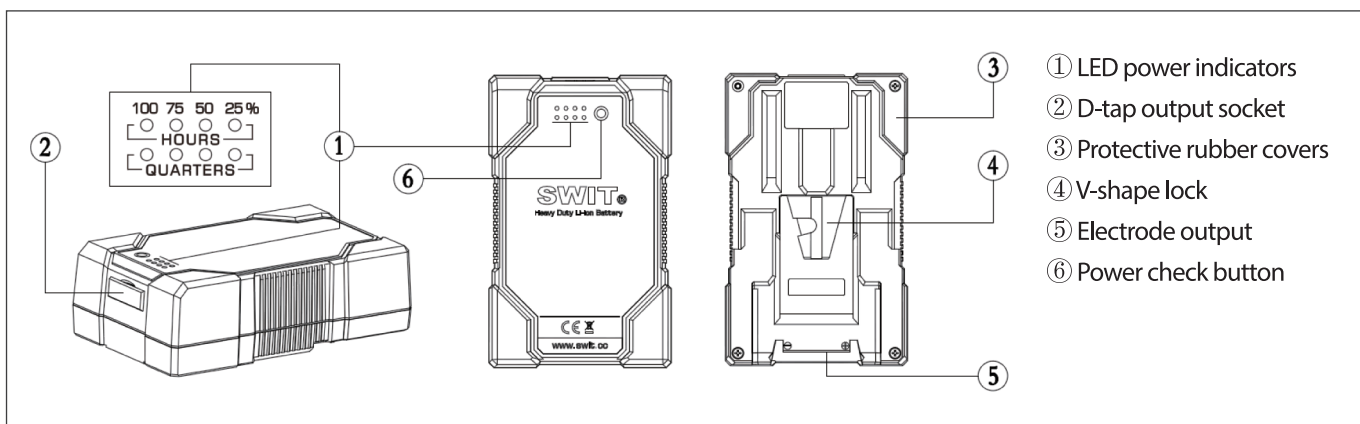
- ◆ High performance rechargeable li-ion battery, no memory effect. Light weight, large capacity.
- ◆ Double rows of touch digital LED power indicators to display battery capacity and remaining running time under current power consumption in real time.
- ◆ Innovative appearance and structure design, to ensure IP66 protection grade.
- ◆ D-tap DC output, to power the camera and other equipment simultaneously.
- ◆ High load output, prolong service time.
- ◆ 6A fast charging (Using SWIT fast charging charger).

### Caution

- ◆ Fully charge the battery before use.
- ◆ Fully charged battery will discharge naturally and please use it as soon as it gets charged.
- ◆ The battery may become warm in use or while being charged. This is normal.
- ◆ At low temperature, the running time of battery usually decreases.
- ◆ Keep the battery terminals clean.
- ◆ Never expose the battery to temperature above 60°C.
- ◆ Never short-circuit the battery terminals.
- ◆ Use SWIT charger or the chargers recommended by SWIT.
- ◆ Store the battery in cool, dry and clean place.
- ◆ When stored for a long time, please keep the battery power between 50% and 90%.

### Specification

Model	S-8320S	S-8340S	S-8360S
Normal Voltage	14.4V	14.4V	14.4V
Capacity	80Wh/ 5.5Ah	160Wh/ 11.1Ah	240Wh/ 16.7Ah
Max Output	100W,8A	150W,12A	200W,16A
Dimension	162X101X39 mm	162X101X53 mm	162X101X69 mm
Weight	0.65kg	1.08kg	1.51kg
6A Fast-charging	NO	YES	YES



- ① LED power indicators
- ② D-tap output socket
- ③ Protective rubber covers
- ④ V-shape lock
- ⑤ Electrode output
- ⑥ Power check button

## Charging

- ◆ S-8340S and S-8360S support fast charging, max 6A charging current. (S-8320S does not support fast charging function).
- ◆ While charging, the LED power indicators can display current capacity percentage in real-time. (For details, please check the description of LED power indicators).
- ◆ The battery pack should be charged within a temperature range of 0-40°C, but it is suggested charge the battery within 10-30°C for better performance.

## The Description of LED Power Indicator

- ◆ When charging and free, the upper 4 LEDs display current capacity percentage.
- ◆ In discharging status, the upper row shows hour(s); the lower row shows minutes in green to indicate the remaining running time under current power consumption.
- ◆ **The details are as below:**

## Discharging

- ◆ While discharging, press power check button, the LED power indicators will display the remaining running time under current power consumption in real time. (For details, please check the description of LED power indicators).
- ◆ At low temperature, the battery internal resistance will increase, which may lead to automatically cut off if the load is heavy.
  - ① The battery will automatically cut off power to protect itself when voltage, current or temperature is abnormal. In this situation, please take off the battery, after 10minutes, if it can not be restored, please discharge the battery to decrease the voltage then it will be restored automatically.
  - ② If the battery voltage is too low and protect itself, please charge the battery to restore. If the voltage is too high because of the charger or other equipments, please remove the battery, after 10minutes' standing, if it can not be restored, please discharge the battery to decrease the voltage then it will be restored automatically.
  - ③ If the load power is too large, or even lead to short circuit, please unplug the battery immediately, and it will be restored automatically after 30-60 seconds' standing.

Charging/ Free					
LED Indicator Status					
Charging/ Remaining Capacity	Capacity < 25%	25% ≤ Capacity < 50%	50% ≤ Capacity < 75%	75% ≤ Capacity < 95%	Capacity ≥ 95%
Discharging					
LED Indicator Status					
Remaining Running Time	0 ~ 15min	15min ~ 30min	30min ~ 45min	45min ~ 60min	60min ~ 75min
LED Indicator Status					
Remaining Running Time	75min ~ 90min	90min ~ 105min	105min ~ 120min	120min ~ 135min	135min ~ 150min
LED Indicator Status					
Remaining Running Time	150min ~ 165min	165min ~ 180min	180min ~ 195min	195min ~ 210min	210min ~ 225min
LED Indicator Status					
Remaining Running Time	225min ~ 240min	240min ~ 255min	255min ~ 270min	270min ~ 285min	285min ~ 300min
LED Indicator Status		<b>Note:</b> 1. "⊙" → Power check button; "○" → Off; "●" → On; "★" → flash. 2. In charging and free status, the LED indicators will be in red; while in discharging status, the LED indicators will be in green.			
Remaining Running Time	≥300min				