

# SWIT®

Rechargeable Li-ion Battery Pack

# USER MANUAL

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## Characteristics

1. High performance Li-ion battery pack, rechargeable.
2. 4-step LED power indicator.
3. D-tap DC output and charging socket. (except S-8056N)
4. Build-in multiple protective circuit design.

## Caution

1. Never attempt to open the battery pack.
2. Use SWIT charger or the chargers recommended by SWIT.
3. Keep the battery pack terminals clean.
4. Never short-circuit the battery pack terminals.
5. Never expose the battery pack to rain, fire or moisture.
6. Never expose the battery pack to temperature above 60°C.
7. Avoid strong mechanical shock.
8. The battery pack may become warm in use or while being charged. This is normal.

## Charging

1. The battery pack is not fully charged when it is purchased. Charge the battery before use.
2. Use SWIT charger or the chargers recommended by SWIT.
3. The battery pack should be charged within a temperature range of 0-40°C

## Discharging

1. Fully charged battery pack will discharge naturally and please use it as soon as it gets charged.
2. At low temperature, the running time of battery pack usually decreases.
3. The internal impedance of battery pack will be greater at low temperature, which may cause the automatically circuit cutting.
4. According to the using conditions, please set the camera low battery warning voltage at 13-14V, cut off voltage at 12-13V.

## Specifications

Model	Mount Type	Nominal voltage	Capacity		Max output		Dimension	Mass
S-8080A	Gold Mount	14.4V	95Wh	6.6Ah	50W	3.5A	165×90×51mm	800g
S-8080S	V-mount	14.4V	95Wh	6.6Ah	50W	3.5A	165×90×49mm	800g
S-8082A	Gold Mount	14.4V	95Wh	6.6Ah	50W	3.5A	134×88×54mm	800g
S-8082S	V-mount	14.4V	95Wh	6.6Ah	50W	3.5A	134×88×52mm	800g
S-8110A	Gold Mount	14.4V	126Wh	8.8Ah	100W	8A	165×90×53mm	900g
S-8110S	V-mount	14.4V	126Wh	8.8Ah	100W	8A	165×90×51mm	900g
S-8160A	Gold Mount	14.4V	190Wh	13.2Ah	100W	8A	165×90×68mm	1300g
S-8160S	V-mount	14.4V	190Wh	13.2Ah	100W	8A	165×90×66mm	1300g
S-8180A	Gold Mount	14.4V	220Wh	15.3Ah	140W	12A	165×90×68mm	1300g
S-8180S	V-mount	14.4V	220Wh	15.3Ah	140W	12A	165×90×66mm	1300g
S-8056N	NP-1	14.4V	73Wh	5.1Ah	50W	3.5A	185×72×25mm	690g

## LED indicator

1. The four-step LEDs indicate the remaining capacity when press the "CHECK" button.
2. The indicator may not be accurate when the battery is powering on the camera.
3. When only one LED indicates, please charge the battery as soon as possible.

## DC socket

The D-tap DC socket can be used as 14.4V DC output or SWIT S-3010B charging input.

1. Open the rubber cover and plug in D-tap lead to DC output or charge.
2. Close the rubber cover when disconnected, to keep the socket away from dust.

Remark: The NP-1 battery S-8056N does not have DC socket.

## Self-protection and Re-activate

1. The battery pack has multiple protective circuits and will cut off power automatically when overload or any abnormal detected.
2. If it's in normal environment temperature, please lay the battery pack aside for 3-5 minutes and mount the battery pack to any SWIT charger, it will be re-activated and get charging normally.
3. If the environment temperature is high, please lay the battery pack aside for 20-30 minutes and then charge the battery by SWIT chargers to active.

## Storage

Please keep in cool, dry and clean place.