

# Separable High-Capacity Batteries -For Safe Air Transportation

## S-8132A/S, S-8152A/S, S-8172A/S, S-8192A/S

### Introduction:

Nowadays, the high capacity batteries are quite necessary for cameramen. But according to the regulations of the International Air Transport Association (IATA), Lithium-ion batteries over 100Wh are restricted for air transportation.

SWIT introduces a new series of separable batteries, with high capacity up to 184Wh, but are safe for air transportation. The battery can be divided into two parts, each one under 100Wh, to meet the IATA air transportation regulation. When using the battery, you may just assemble the two parts to get a high capacity battery.

These series of batteries are manufactured under the quality management program as described in IATA DGR 54th 3.9.2.6(e). They're proven to meet the requirements of each applicable test in the UN Manual of Tests and Criteria, Part III, sub-section 38.3.

According to IATA DGR 54th 2.3.5.9, these batteries are permitted on aircraft as carry on baggage, and they are also suitable for transportation by air cargo, with special package requirement.

### Key Features:

- ◆ High capacity
  - 126Wh, 146Wh, 158Wh, 184Wh optional
- ◆ Safe for Air Transportation
  - Unique separable design, each part under 100Wh
- ◆ D-tap power output socket
  - 14.4V output, to power external devices
- ◆ 4-level LED power indicator
  - Get a quick view of remaining power before using
- ◆ High load output
  - Max 100W, 8A output
- ◆ Multiple circuit protections
  - Voltage, current, over-charging/discharging, temperature protection



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S-8172A/S, S-8192A/S

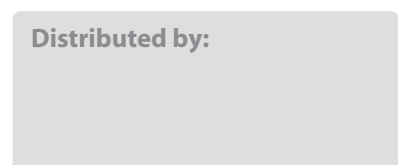
### Specifications:

Model	S-8132S	S-8152S	S-8172S	S-8192S	S-8132A	S-8152A	S-8172A	S-8192A
Mount type	V-mount				Gold mount			
Nominal voltage	14.4V							
Capacity	126Wh/8.8Ah	146Wh/10.1Ah	158Wh/11Ah	184Wh/12.8Ah	126Wh/8.8Ah	146Wh/10.1Ah	158Wh/11Ah	184Wh/12.8Ah
Max output	100W, 8A							
Dimension(mm)	168x93x60	168x93x60	168x101x60	168x101x60	168x93x65	168x93x65	168x101x65	168x101x65
Mass(g)	900		1250	1270	900		1250	1270

**SWIT Electronics Co., Ltd.**

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## Shipping Instructions for SWIT Separable Batteries

### Transport within Passenger Baggage (Extract from IATA DGR 54th SECTION II)

#### 2.3.5 Goods Acceptable without the Operator's Approval

Dangerous goods, as listed in 2.3.5.1 through 2.3.5.11, are permitted on aircraft as baggage without the approval of the operator(s).

##### 2.3.5.9.1 Portable electronic devices

Watches, calculating machines, cameras, cellular phones, lap-top computers, cam-corders, etc. containing batteries when carried by passengers or crew for personal use, which should be carried in carry-on baggage. Spare batteries must be individually protected to prevent short circuits by placement in the original retail packaging or by otherwise insulating terminals, e.g. by taping overexposed terminals or placing each battery in a separate plastic bag or protective pouch, and carried in carry-on baggage only.

In addition, for lithium batteries, each installed or spare battery must not exceed the following:

(a) for lithium metal or lithium alloy batteries, a lithium content of not more than 2 g; or (b) for lithium ion batteries, a watt-hour rating of not more than 100 Wh.

**To meet this regulation, please only carry SWIT Lithium-ion batteries as carry-on baggage, and divide each battery into two parts before carrying them onto the airplane.**

### SHIPPING BY AIR Cargo

When shipped by air cargo, SWIT Lithium-ion batteries are relevant to Packing Instruction 965 Section II, Additional Requirements - Section II, Overpacks - Section II.

Reference page 555 of IATA 54th Edition Book.

When shipped or packed with equipment, SWIT Lithium-ion batteries are relevant to Packing Instruction 966 Section II, Additional Requirements - Section II, Overpacks - Section II.

Reference page 557/558 of IATA 54th Edition Book.

- ◆ Please divide the separable batteries into two parts before shipping, as each part is under 100Wh. Make sure each battery part is well protected.
- ◆ SWIT batteries have passed UN Manual of Tests and Criteria, Part III, Subsection 38.3.
- ◆ All SWIT batteries have Wh rating marked on the outside of the battery case.
- ◆ SWIT Batteries and packaging are capable of withstanding a 1.2m drop test.
- ◆ No Dangerous Goods Training required.
- ◆ Please contact SWIT before shipping for any necessary documents.

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