

AcuteB2 600 AirS

# Profoto®



# AcuteB2 600 AirS

## Small size, great light.

- Lithium Ion Iron Phosphate battery, state of the art battery technology.
- Small and Lightweight, only 3,6 kg including LiFe battery and generator.
- No of flashes/Extended battery capacity, up to 200 flashes at maximum power on a fully charged battery.
- Extreme long lifetime, up to 4 times longer battery lifetime.
- Licensed to travel, tested and certified according to UN manual of Test & Criteria, Part III, Sub-section 38,3
- World Wide use with automatic, multivoltage charger and Profoto AirS.
- Recycling time, 0.08 - 2.0 s
- Short flash duration, 1/6800 - 1/1000 s.
- Built in Profoto AirS, radio sync system, for triggering from up to 300 m and no external antenna.
- AirS works with the shortest flash sync times.
- Wide power range of 7 f-stop, 9 – 600 Ws.
- Easy to use.
- Improved electronic internals for even better reliability and performance.



## New version of the world's most reliable portable flash

Famous quality and reliability of Profoto in a small generator. Lighter, faster recycling times, more flashes per charge, superior Radio Air Sync and longer battery life span.

New version of the world's most reliable portable flash. AcuteB2 600 AirS allows photographers superior creative control on-the-go. The famed AcuteB now comes with a Lithium Ion Iron Phosphate battery (LiFe), Air Sync and improved internal electronics.

This is Profoto's smallest generator, measuring only (w) 19 x (d) 13.5 x (h) 20 cm (7.5 x 5.3 x 7.9 in) incl. handle. This compact size allows a full setup of camera, pack with flash-head and modifiers to easily fit into a back-pack. The weight of the complete unit with LiFe-battery is only 3,6 kg (8,9 lb).

The AcuteB2 600 AirS, comes complete with a radio slave system: Profoto Air Sync. It can be triggered at a distance of up to 300 m (1000 ft.) with an ultra-short delay, making it possible to use fastest sync times. Air Sync uses the same frequency all over the world, covering 8 separate channels.

The battery is licensed to travel and has been tested and certified according to UN manual of Test & Criteria, Part III, Sub-section 38.3. Making the battery flight approved all over the world.

Profoto is chosen by more than 80% of photographers worldwide and is a staple in professional studios and rental houses. It's the legendary quality of Profoto.

At the heart of Profoto lies the Light Shaping System. Over 120 light modifiers allow unprecedented creative control. All AcuteB and Acute/D4 Heads used with the AcuteB2 600 AirS generator are fully compatible with all the modifiers.



## LiFe battery

Profoto uses the most advanced and reliable rechargeable batteries: Lithium Ion Iron Phosphate (LiFePO<sub>4</sub>), short – LiFe batteries. These batteries include sophisticated electronics: A special constructed BMS board (Battery Monitoring System) controls and adjusts their output to assure an optimal performance.

LiFe cells offer a very high capacity, are lightweight, withstand high loads and are very safe and reliable. On top, they have 4 times longer life-time than lead acid batteries and can be used in a wider temperature range. The integrated electronics also protect the LiFe battery against deep-discharge and overheating. Because of their special construction it is possible to use the same chargers for LiFe and Pb (lead acid) batteries. This simplifies the combined use of new and old battery generators and allows owners of previous Profoto battery generators to update their packs with the new LiFe batteries.



## AirS

The AcuteB2 600 AirS, has been implemented with the reliable radio slave system: Profoto Air Sync. The generator can be triggered from a distance up to 300 m (1000 ft). Ultra-short delay makes it possible to use the fastest sync times. Air Sync uses the same frequency all over the world, covering 8 separate channels.

The Profoto Air Sync provides a simple solution for you, to trigger it with your camera. Profoto Air Sync can also be used as a receiver and sync generators without built in Profoto Air.



## AcuteB Head

For our smallest battery pack, there is a special lamp head, the Profoto AcuteB Head. The Profoto AcuteB Head weighs in at a mere 1.45 kg (3.2 lb). It gives you up to 600 Ws of flash power and an innovative modeling light, using a high performance Halostar™ lamp that, at 65 W, gives you the brightness of 90 W halogen.

The AcuteB Head includes: flash tube, 65 W halogen lamp, protective transportation cap and a 3 m (10 ft.) lamp cable.

# AcuteB2 AirS Kit

The Acute B2 AirS kit is the ultimate basic setup when you are on location. The well-designed and solid bag is easy to carry around on the shoulder and perfectly fits all the items. Add some Profoto Light Shaping Tools and you are always ready to shoot, wherever you go.

The AcuteB2 600 AirS Kit includes:

- 1 AcuteB2 600 AirS generator
- 1 LiFE battery
- 1 AcuteB Head, UV or UNC
- 1 Disc reflector
- 1 Air Sync or Sync cable
- 1 AcuteB bag
- 1 Battery charger 1A



Product No.

900976 AcuteB2 AirS Kit UV with AirSync

900977 AcuteB2 AirS Kit UNC with AirSync

900978 AcuteB2 AirS Kit UV with Sync cable

900979 AcuteB2 AirS Kit UNC with Sync cable

Technical data	AcuteB2 600 AirS
Energy	600 Ws
Input	12 V
Energy Control	Over a seven f-stop range, in 2/10 step adjustments f-stop at 2 m (ISO 100/21°) 64.2 with Magnum 50° reflector
Recycling time	LiFe battery: 0.08-2.0 s @ full Pb battery: 0.09-2.5 s @ full
Flash Capacity	Ws: 600 300 150 75 37 18 9
No of flashes at different energy settings	Energy: Max -1 -2 -3 -4 -5 -6
Pb	Flashes: 160 320 600 1200 2000 4000 8000
LiFe	Flashes: 200 400 800 1600 3200 6400 12800
Modeling light	65W continuous modeling light (similar to 90W halogen)
Flash Duration (t0.5)	Ws: 600 150 37 Time: 1/1000 1/2700 1/6800
Energy Precision	1/75 f-stop flash-to-flash
Energy Range	Ws: 600 300 150 75 37 18 9 f-stop: 1/1 1/2 1/4 1/8 1/16 1/32 1/64 Ev: Max -1 -2 -3 -4 -5 -6
Auto Dumping	Yes
Battery type	LiFe battery: 13.2 V, 4.6 Ah, LiFePo4 Pb battery: 12.0 V, 5.0 Ah, Non-spillable lead/acid
Battery charging time	5 h with Profoto Charger 1A 2.5 h with Profoto Charger 2A
Battery status indicator	LiFe battery: Yes Pb battery: 1/1, 1/2 and 1/4 indicators
Battery life	LiFe battery: 1 200 charge cycles 80% capacity left Pb battery: 300 charge cycles 80% capacity left
Battery operating temperature range	LiFe battery: -20 °C to +50 °C (-4 °F to +120 °F) Pb battery: +5 °C to +30 °C (+40 °F to +86 °F)
Battery storage temperature range	LiFe battery: -30 °C to +60 °C (-20 °F to +140 °F) Pb battery: -10 °C to +40 °C (+14 °F to +100 °F)
Fuse	40 A
Lamp Head Socket	1 socket
Radio Sync	Profoto Air: range up to 300 m, channel selector on generator Pocket Wizard: range up to 100 m, channel selector learn mode
Radio remote control	No
Sync Socket	1 socket
Sync Voltage	Compliant to ISO 10330 Standard
Size	(w) 19 x (d) 13.5 x (h) 20 cm (7.5 x 5.3 x 7.9 in) incl. handle
Weight	2.8 kg (6.2 lbs), exclusive of battery 3.6 kg (8.9 lbs), including LiFe battery 4.8 kg /10.6 lbs), including Pb battery
Product No.	901104 AcuteB2 600 AirS Pb 901101 AcuteB2 600 AirS LiFe 901102 AcuteB2 600 AirS (344MHz) LiFe (integrated Pocket Wizard) 901103 AcuteB2 600 AirS (433MHz) LiFe (integrated Pocket Wizard)