

Portable Power Station



The Portable Power Station can be used with any 24V Research International instrument.

The **Portable Power Station** is a rugged auxiliary battery source capable of powering Research International products. It is designed for use with the BA-5590, or electrically equivalent rechargeable lithium ion batteries such as the UBI-2590. The Portable Power Station has the capacity to extend product operation by up to a factor of 3 times internal battery life, as noted in the Table. In use, a 1.6m long external power cord connects the Portable Power Station to each product's external AC lump-in-cord socket.

The Portable Power Station accommodates two batteries. Modules connected to each battery can provide a shared regulated output of up to 16 amperes at 24 volts DC, allowing the operation of other ancillary devices as needed.

Each battery module also incorporates a visual LED display that shows the remaining battery charge. The Portable Power Station is designed to resist and absorb impact, is rated for an extended operating temperature range of -40°C to 60°C, and has an environmental resistance rating of IP67.

When ordering, please specify which Research International product will be used with the Portable Power Station.

FEATURES

- Provides extended operation of RI battery-operated products.
- Designed to house two BA-5590, UBI-2590, or equivalent batteries
- Provides up to 16 amps at a regulated 24 VDC
- IP67 environmental rating

APPLICATION AREAS

- Provide auxiliary battery power to RI's portable instruments
- Extend unattended operating time
- Provide at-a-glance battery charge information



Portable Power Station Specifications

Part number	7000-163-450-01
Output voltage	24 VDC regulated
Output current	16A maximum
External power cord length	1.6 meters
Operating temperature range	-40°C to 60°C
Environmental resistance	IP67
Weight	4.4 kg with batteries
Physical footprint (cm); weight	26.7 cm H x 22.5 cm D x 28 cm W
Battery compatibility	Holds two (2) batteries. Compatible with BA-5590, UBI-2590, or other electrically/physically equivalent batteries. See typical operating times below. Batteries not included.
Remaining charge indicator	Yes, each battery has LED readout of charge state
Ability to disconnect batteries internally	Yes, individual On/Off switches for each battery

Product	Typical operating times with UBI-2590 rechargeable batteries at 20 °C		Typical operating times with BA-5590 non-rechargeable batteries at 20 °C	
	Hours with Internal Battery Alone	Hours with Portable Power Station	Hours with Internal Battery Alone	Hours with Portable Power Station
SASS 2300	34	34 + 68 = 102	20.4	20.4 + 40.8 = 61.2
SASS 2400	15	15 + 30 = 45	9.0	9 + 18 = 27.0
SASS 3100	27	27 + 54 = 81	16.2	16.2 + 32.4 = 48.6
SASS 4000 Series	N/A	3	N/A	1.8
TacBio	51	51 + 102 = 153	30.6	30.6 + 61.2 = 91.8
Tac-7	45	45 + 90 = 135	27.3	27.3 + 54.6 = 81.9

Research International, Inc. reserves the right to change product and system specifications without prior notice.

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