

ABC-5 Technical Specifications

By AeroVironment

A single channel, high accuracy cycling station

Utility Requirements

Voltage	Single phase, 240Vrms, +10%/-20%
Current	30 Arms
Frequency	60±2Hz (50±2Hz, optional)

AC Power Quality at Rated Power

Power Factor	>99%
Harmonic Distortion	<3% THD, no individual harmonic greater than 3% (IEEE 519 compliant)

DC Output

Operating Range

Voltage	Current	Power
0.5 to 50VDC	-100 to +100ADC	± 5kW

The above ranges are the maximum allowed by the system. Voltage, current and power limits within the above ranges can be set by the user based on the load and test requirements.

Additional Features

- Remote voltage sensing
- Constant current, voltage and power modes
- Reverse voltage protection
- ROS 4.0 Interface
- Optional interfaces include LabVIEW and CAN

Safety

- Emergency cutoff switch
- Automatic shutdown on loss of utility power
- Automatic load connect and disconnect
- Remote emergency stop
- CE Certification
- UL Listing

Physical Specifications

Dimensions:	19" rack mountable
Weight:	80 lbs

All specifications are subject to change without notice.