

ABC-1000 Technical Specification

By AeroVironment

Utility Requirements

Voltage	3-phase, 480VAC, +10%/-15%, ≤ 5% imbalance
Current	168 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%

DC Output

Operating Range

<u>Configuration</u>	<u>Voltage</u>	<u>Current</u>	<u>Power¹</u>
Independent (2 channels)	8 to 420VDC	-500 to +500ADC	±125kW
External Parallel	8 to 420VDC	-1000 to +1000ADC ¹	±125kW

¹Rated at 60% duty cycle (<15 minute cycle)

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
- Analog control signal
- Independent HV channel enabled
- Independent mode control for each output channel
- Reverse voltage protection
- Multiple user interfaces: Manual, Remote Operation Software (ROS), dCOM driver for LabVIEW, C++ and Visual Basic

Safety

- Emergency cutoff switch
- Automatic shutdown on loss of utility power
- Independent channel shut down
- Remote emergency cutoff switch available
- Automatic load connect and disconnect

Physical Specifications

Dimensions:	Approx. 72"L x 36"D x 72"H (183cm x 91.4cm x 193cm)
Weight:	Approx. 2,500 lbs (1,136 kg)

All specifications are subject to change without notice.