

AeroVironment™ Power Cycling and Test Systems

ABC-600

High Voltage Dual Channel Cycling Station



Designed for Higher Voltage Testing Needs

AeroVironment's ABC-600 was designed with increased voltage and current capability to meet the development demands of drivetrains, motors, energy storage devices and more. With a higher output rating, the ABC-600 is an ideal system for testing, emulating or simulating components of large electric vehicles (EV) and hybrid electric vehicles (HEV). The ABC-600 is used worldwide to support the development of next generation electric vehicles. All AV power cycling systems are equipped with a real-time clock on the system's control board that enables measurement of Ah and kWh during cycling.

CATEGORY	APPLICATION	ABC-600
Battery Testing and Cycling	Battery Cell	
	Battery Module	
	Battery Management Systems (BMS)	
	Battery Pack	•
	Production Testing	•
Simulation	Battery	•
	Powertrain	•
	Fuel Cell	•
	Hardware in the Loop	•
Energy Storage Charging and Testing	Fuel Cell	•
	Super & Ultra Capacitors	•
	Flywheels	•
Power Generation Equipment Testing	Electric Components	•
	Power Supplies	•
	Generators	•
	Stationary Power	•
	Inverters	•
	Military & Aerospace	•
	Life, Run-in, Burn-in	•
	Uninterruptable Power Supplies (UPS)	•
	Hybrid and Electric Vehicle Testing	Powertrain
Production Testing		•
Medium & Heavy-duty EVs (buses, trucks, military, locomotives)		

PRODUCT FEATURES	
INPUT RATING	3 Phase, 480Vrms (380Vrms, 400Vrms, 440Vrms options)
CURRENT	200Arms at 480Vrms
FREQUENCY	60Hz (50Hz optional)
ISOLATION TRANSFORMER	Internal Transformer
POWER FACTOR	> 99%
HARMONIC DISTORTION	< 3% THD; IEEE 519 Compliant
MULTIPLE USER INTERFACES	Manual; Remote Operation System (ROS); DCOM Driver for LabVIEW; C++ and Visual Basic; CAN
OPERATING RANGE	
Configuration	Voltage (Vdc) Current (A dc) Power (kW)
Independent	+8 to +600 -300 to +300 -150 to +150
Parallel	+8 to +600 -600 to +600 -150 to +150
WEIGHT	3500 lbs (1591 kg)
DIMENSIONS	73"W x 76.5"H x 37"D (185cm W x 194cm H x 94cm D)

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE.
TRADEMARK USAGE IN IMAGE SHOWN MAY VARY SLIGHTLY.