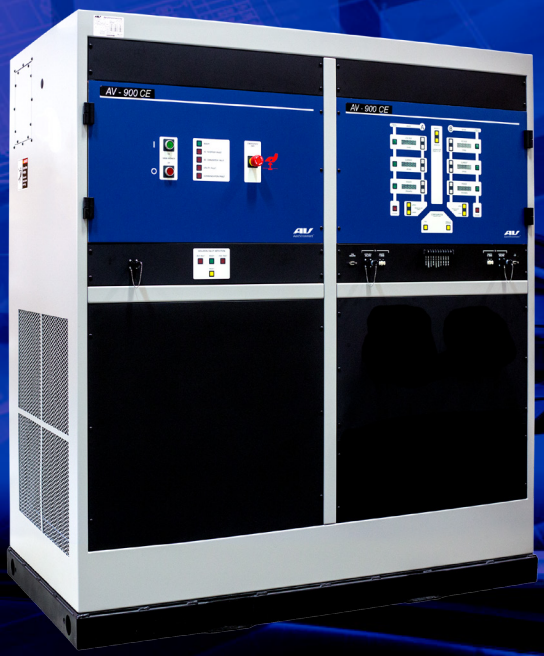
AeroVironment™

Power Cycling & Test Systems

The Standard for Advanced Energy Testing

AV-900CE

Heavy Duty Dual Channel Cycling Station



CE Certified Cycling and Testing System for Large Hybrids

The AV-900CE is AeroVironment's heavy duty test solution. With greater voltage, current and power capability, this system is ideal for testing and emulating energy storage and drivetrain components of large electric and hybrid electric vehicles (HEV), such as buses, trucks and military vehicles. The AV-900CE is used worldwide to support the development of fuel cell buses, hybrid locomotives and other HEVs. All AV power cycling systems are equipped with a real-time clock on the system's control board that enables accurate measurement of Ah and kWh during cycling.

APPLICATION GUIDE

Battery Testing and Cycling	Battery Module	•
	Battery Management System (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, End-of-line Testing	Powertrain	•
	Production Testing	•
	Medium & Heavy-duty (buses, trams, trolleys, trucks, trains)	•

CE

SPECIFICATIONS

INPUT RATING	3 Phase, 415Vrms (380Vrms, 400Vrms, 440Vrms options)
CURRENT	365Arms at 415Vrms
FREQUENCY	50Hz (60 Hz 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
WEIGHT	4600 lbs (2086 kg)
DIMENSIONS	72" W x 77" H x 34" D (183cm W x 194cm H x 92cm D)

OPERATING RANGE

CONFIGURATION	VOLTAGE (Vdc)	CURRENT (Adc)	POWER (kW)
INDEPENDENT	+8 to +750	-500 to +500	-250 to +250
	+751 to +825	-400 to +400	-225 to +225
	+826 to +900	-300 to +300	-200 to +200
PARALLEL	+8 to +750	-1000 to +1000	-250 to +250
	+751 to +825	-800 to +800	-225 to +225
	+826 to +900	-600 to +600	-200 to +200

Some features are only available with appropriate software. For further info, please contact AV at p3sales@avinc.com. All specifications are subject to change. Trademark usage in image shown may vary slightly.

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