



The Economical Solution

AeroVironment's MT-30 is ideal for testing smaller applications such as battery modules, fuel stacks, partial modules and smaller components. This system provides an economical solution for a variety of testing needs while occupying a small footprint in the laboratory. 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)	

SPECIFICATIONS

INPUT RATING	3 Phase, 240Vrms (380Vrms, 400Vrms, 440Vrms options)
CURRENT	130Arms at 240Vrms (67Arms with 480V option)
FREQUENCY	60Hz (50 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	1300 lbs (589 kg)
DIMENSIONS	34" W x 55" H x 40" D (87cm W x 140cm H x 102cm D)

OPERATING RANGE

CONFIGURATION	VOLTAGE (Vdc)	CURRENT (A dc)	POWER (kW)
CHANNEL A	+5 to +120	-330 to +330	-30 to +30
CHANNEL B	+5 to +120	-170 to +170	-20 to +20
PARALLEL	+5 to +120	-500 to +500	-30 to +30

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