

AeroVironment™ Power Cycling and Test Systems

MT-30

Dual Channel Cycling Station for Modules



The Economical Test 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 measurement of Ah and kWh during cycling.

CATEGORY	APPLICATION	MT-30
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, 240Vrms (380Vrms, 400Vrms, 440Vrms, 480Vrms options)
CURRENT	130Arms at 240Vrms (67Arms with 480V option)
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)
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
WEIGHT	1300 lbs (589 kg)
DIMENSIONS	34"W x 55"H x 40"D (87cm W x 140cm H x 102cm D)

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