

MSD-920-2 Battery Test System

NSN: 6130-01-566-7659

Specification	
	Battery service profiles loaded; (Profiles can be added, subtracted or modified) D8565/4-1, D8565/14-1, D8565/6-1, D8565/1-(1,2), 39411-003, MS17334-2, 27177-001, D8565/13-1, 27826-002, LTN-72, Generic, G-244, MS27546-1, MS75047-(1,2), M11188/2A, M83769/7-1, 2HN, 4HN, 6TL, 6TN, Optima, 052-830095-1 (HEELS), CA54-1, BA02-05, BB-716/A, CA-1700, D8565/10-1, D8565/11-1, RG-385, D8565/12-1, D8565/15-1, D8565/16-1, D8565/3-2, D8565/3-3, D8565/5-1, D8565/7-1, D8565/7-2, EPI-18164-6, M81757/10-1, M81757/11-(3,4), M81757/12-(1,2), M81757/13-1, M81757/14-1, M81757/15-(1,2,3), M81757/16-(1,2), M81757/17-1, M81757/7-(2,3), M81757/8-(4,5), M81757/9-(2,3), M83769/4-1, SP-1700, STCA-400, STSP-403, 17160, 18462, 29402-001, 30030-001, 4076-11, 43B006TB01, 43B030RB03, 43B034LB03, 43B034RB03, GPU-2/A, D8565/11-2, D8656/8-1, D8565/5-2, D8565/9-1, M83769/2-1, M83769/3-1, M83769/6-1, G-6385, 30192-03C
Mechanical	
Size	9"H x 23"W x 16"D (with lid closed)
Weight	45 pounds
Electrical – Input	
Input Voltage	90 to 264 Volts AC
Frequency	50 / 60 Hz ¹
Current Requirements	13.5 Amps Maximum
Electrical – Output	
Constant Current Charge	0.04 to 25 Amps
Constant Current Discharge	0.04 to 50 Amps (1500 Watts maximum discharge power)
Electrical – Displays	
Current	-80 to +80 Amps (12 bit resolution)
Voltage	-50 to +50 Vdc (12 bit resolution)
Time	596 Hours, 31 Minutes, 26 Seconds Maximum
Amp Hours	0 AH to 99999.99 AH Maximum
Profile Step	1 to 10
Temperature	32.0°F to 140.0°F (12 bit resolution)
Electrical – Tolerances	
Current	Less than 4.5 Amps (± 3 mA) Greater than or equal to 4.5 Amps (± 1% full scale)
Voltage	± 100 mV
Temperature	± 5°Fahrenheit
Time	± 10 Seconds
Environmental – Non-Operating	
Altitude	0 to 40,000 feet
Ambient Temperature	-40°F to 159°F
Environmental – Operating	
Altitude	0 to 8,000 feet
Ambient Temperature	32°F to 104°F
Charger Function	
Constant Current Mode	Programmable for Any Value Between 0 and 25 Amps
Battery Voltages – Constant Current Charge	1.25, 2, 6, 12, 24, 28, 36
Constant Potential Mode	Programmable for Any Value Between 0 and 48 Volts
Battery Voltages – Constant Potential Charge	1.25, 2, 6, 12, 24, 28, 36
Number of Profile Steps	1 to 10
Charge to Voltage, Current, Time, Negative Slope Sensing, Temperature Compensation, Delta Thermal Protection	
Other Functions	
Capacity Test, Voltage / Current Monitoring, Serial Data Collection Compatible (RS-232), Data Collection Software Included, Pause / Resume Function, Viewable Profile History Summary, Audio / Visual Indicators, Can store up to 80 different battery profiles	
Available Accessories	
Battery cables specific to the batteries listed ¹ Can be configured for up to 880 Hz	