


ASD-965-1 Battery Test System

NSN: 6130-01-559-4133

Specification	
	Battery service profiles normally 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	12 5/8"H x 21"W x 20"D(22" including power cord)
Weight	115 pounds
Electrical – Input	
Input Voltage	120 / 240 VAC Configurable
Frequency	50 / 60 Hz Single Phase
Current Requirements	12 Amps / 15 Amps Maximum
Electrical – Output	
Constant Current Charge	0.02 to 65 Amps ¹
Constant Current Discharge	0.02 to 70 Amps ²
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°F 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 Between 0 and 65 Amps (70 Amps Discharge)
Pulse Current	Programmable between 1 and 200 Amps
Battery Voltages – Constant Current Charge	1.25, 2, 6, 12, 24, 28, 36
Constant Potential Mode	Programmable Between 0 and 40 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, Serial Data Collection Compatible (USB/RS-232), Data Collection Software Included, Pause / Resume Function, Viewable Profile History Summary, Audio / Visual Indicators, Can store up to 80 different battery profiles, Boost Charge, Desulfation Function, Emergency Charge, Built-In-Test (BIT)	
Available Accessories	
Battery cables specific to the batteries listed	

- Power supplies are rated per the following criteria. Any operations outside the specified limits are **not** guaranteed.
 - Maximum rated current per power supply: 31.25 amps (2 power supplies = 62.50 amps)
 - Over current protection per power supply: 33.60 to 36.80 amps (2 power supplies = 67.20 to 73.6 amps)
 - Over current protection is square type. If over current condition continues for beyond 30 seconds, the output is shut OFF. Recovery is by removing power and reapplying power (ON / OFF front panel switch) after 40 seconds.
- 1500 Watts maximum discharge power.