

1. MS PART NUMBERS - The MS part numbers of the batteries shall be MS90365-1 and -2.
 2. DESIGN STANDARD - Each battery shall conform to MS18093 for size number 3.
 3. NOMINAL CAPACITY - The nominal capacity of each battery shall be 16 ampere-hours.
 4. MAXIMUM WEIGHT - The weight of each battery filled with electrolyte shall not exceed 55 pounds in any state of charge.
 5. SPECIFICATION - The batteries shall conform to requirements of MIL-B-8565 for maintainable, ventilated, receptacle-connected, cradle-mounted, heavy duty high discharge rate batteries modified as follows:
- 4.7.25 Special Tests - For MS90365-1 batteries, add:

4.7.25.1 Step Discharges - The battery shall be subjected to three 15-second discharges and then a 30-second discharge, with a 1-minute rest period between each two consecutive discharges, all at 0 F. The current shall be maintained at the value listed below for each period listed below during each discharge. The potential during each period of each discharge shall not be less than the value listed below.

Period of Time, Seconds	15-Second Discharges			30-Second Discharge	
	0-5	5-10	10-15	15-20	20-30
Current, Amperes	480	405	355	295	225
Minimum Potential, Volts	11	13	14	15.5	17.5

For MS90365-2 Batteries, add:

4.7.25.1 Step Discharges - The battery shall be subjected to three 23-second discharges, with a 2-minute rest period between each two consecutive discharges, all at 0 F. The current shall be maintained at the value listed below for each period listed below during each discharge. The potential during each period of each discharge shall not be less than the value listed below:

Period of Time, Seconds	0-2	2-5	5-8	8-12	12-16	16-23
Current, Amperes	645	550	500	475	435	295
Minimum Potential, Volts	7.0	7.7	8.3	8.5	8.7	11.1

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This standard has been approved by the Naval Air Systems Command, Department of the Navy, and is mandatory for use by the activity. All other military activities are required to employ this standard where suitable.

APPROVED 30 Dec 64 REVISED (F) 1 Oct 68 (G) 24 Feb 71 (H) 10 Mar 80

P.A. Navy - AS Other Cust	TITLE	BATTERIES, STORAGE, AIRCRAFT, HEAVY DUTY, 16-AMPERE-HOUR, 24-VOLT	MILITARY STANDARD
	Procurement Specification MIL-B-8565	SUPERSEDES:	MS 90365(AS) SHEET 1 OF 1