

1.000 max except electric receptacle

1.750

1.600 max

FED. SUP CLASS 6140

.216 dia

1.600 $\pm .250$

6.250

1.000 $\pm .250$

1.750 max

300 rad min clearance

IDENTIFICATION MARKING AND CONDENSED INSPECTION, TEST, CHARGING, AND MAINTENANCE INSTRUCTIONS

2.250 max

MANUFACTURER'S NAME
MANUFACTURER'S PART NUMBER
MANUFACTURED MONTH YEAR
ACTIVATED

.250 max

NOTES:

1. QUALIFICATION. This revision does not affect qualification - items which were qualified to MS17334N remain qualified to MS17334P.
2. DIMENSIONS. The dimensions of each battery shall be as shown above. All dimensions are in inches. All tolerances are $\pm .015$ unless otherwise specified. All recurrent dimensions are typical.
3. MS PART NUMBER. The MS part number of the battery shall be MS17334-2. This battery supersedes MS17334-1 batteries.
4. ELECTRIC CONNECTIONS. Each battery shall include as its electric connections a receptacle which shall be ~~usable~~ with an MS3106R14S-7P plug and which shall be installed on the battery in the location and orientation shown above.
5. ELECTRIC CIRCUIT. The electric circuit of the battery is optional except that the battery shall be useable with external connections made to the sockets of its electric receptacle as follows:
 - A. Common (Negative for discharging and charging)
 - B. Output (Discharging) and Input for DC Charging
 - C. Input for Trickle Charging (from 27.5 ± 0.5 RMS Volts at 400 ± 20 Hz)
6. TRICKLE CHARGING CIRCUIT. The trickle charging circuit shall keep the battery charged after the battery is fully charged.
7. NOMINAL CAPACITY. The nominal capacity of the battery shall be 1/3 ampere-hour.

P.A. Navy - AS Other Cust	TITLE BATTERY, STORAGE, AIRCRAFT, 24-VOLT, HEAVY DUTY, 1/3 AMPERE-HOUR	MILITARY STANDARD MS 17334(AS)
Procurement Specification MIL-B-8565	SUPERSEDES:	SHEET 1 OF 2

APPROVED 1 Aug 68 REVISED (N) 1 Oct 71 (N) 22 Jan 82 (P) 22 April 82

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

FED. SUP CLASS

6140

8. MARKING. If the identification marking and instructions are on a removable cover, the manufacturer's name and manufacturer's part number shall also be marked in the location and orientation shown above. If the identification marking and instructions are on a removable cover, the date of manufacture and provisions for marking the date of activation shall be in the location shown; otherwise they may be either there or in the same location as the identification marking and instructions.

9. WEIGHT. The weight of each battery filled with electrolyte shall not exceed 3.5 pounds.

10. SPECIFICATION. The batteries shall conform to requirements of MIL-B-8565 for no-maintenance, plate-mounted, heavy duty high discharge rate batteries modified as follows:

GENERAL:

A. Replace "design standard," wherever it occurs, with "procurement standard."

B. Requirements for receptacle-connected batteries are not applicable to this battery.

3.13 MARKING. Change "four inches wide" to "three inches wide."

TABLE 5 - TEST VALUES - Replace "-22 F," in two places, with "0 F."

4.6.7 CHARGES - Replace the text with: "After each discharge, except for low and high temperature tests, the battery shall be left idle (no connection made to it) at $70 \pm 10^\circ\text{F}$ for 1.0 ± 0.1 hour, and shall then be charged at $70 \pm 10^\circ\text{F}$ as specified below. The specified potential shall be applied between sockets A and B, with socket B positive with respect to socket A, for 5.0 ± 0.1 hours."

4.6.7.1 FOR THE LIFE TEST - Replace the text with: "For each charge of the Life Test, the potential shall be 29.5 ± 0.5 volts."

4.6.7.2 FOR ALL OTHER TESTS - Replace the text with: "After each discharge other than those of the Life Test, and the subsequent rest period, the battery shall be charged with a potential of 28.5 ± 0.5 volts."

4.6.12 SHORTED INPUT - Sockets A and C of the electric receptacle of the battery shall be connected together externally at all times except when the battery is being trickle charged.

4.7.2 DIELECTRIC STRENGTH - Delete.

4.7.16 - ONE-HOUR DISCHARGE AT -22 F - Replace "-22 F," in the title and the text, with "0 F."

4.7.19 - Discharge while tilted - Delete.

4.7.20 - Discharge while inverted - Delete.

4.7.25 SPECIAL TESTS: Qualification only add:

"4.7.25.1 TRICKLE CHARGE - The battery shall be stored for 30 ± 1 days during which it shall be subjected to a trickle charge, and shall then be subjected to a One-Minute Discharge Test. For trickle charging, $27.5 \pm 0.5\text{V RMS}$ (38.9V peak , $77.8\text{V peak to peak}$) shall be applied across sockets A and C of the receptacle."

(P) Denotes changes

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

P.A. Navy - AS Other Com	TITLE BATTERY, STORAGE, AIRCRAFT, 24-VOLT, HEAVY DUTY, 1/3 AMPERE-HOUR	MILITARY STANDARD	
		MS 17334(AS)	
Procurement Specification MIL-B-8565	SUPERSEDES:	SHEET 2 OF 2	

APPROVED 1 Aug 62 REVISED 1 Oct 71 22 Jan 82 22 April 82

D/530