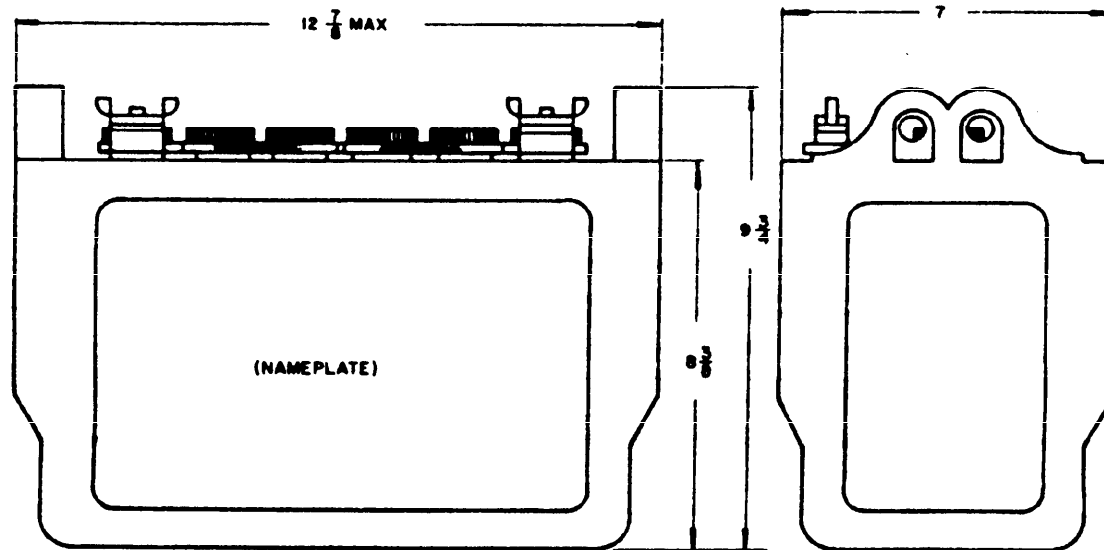
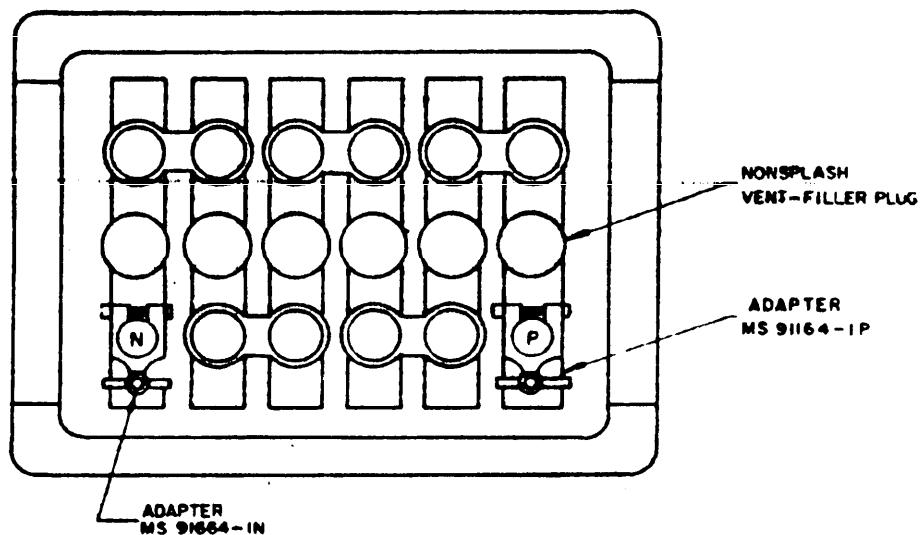


REVIEWERS: ARMY-EL; NAVY-DOCKS; AF-ROAMA
 USERS: ARMY-GL; NAVY-MC, SHIPS, WEPS

FED SUP CLASS
 6140



(A) ENTIRE STANDARD REVISED

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design work and for replacement use shall be made from this document.

P.A. MO (ATAC)	TITLE	MILITARY STANDARD
Other Code	BATTERY, STORAGE, LEAD-ACID	
NAVY - Docks	PORTABLE, BB-50	MS 91311
AF-ROAMA		
PROCUREMENT SPECIFICATION	SUPERSEDES	SHEET 1 OF 2
ML-B-11188		

DD FORM 672-1

APPROVED 18 JULY 1956 REVISED (A) 11 JUNE 1964

REQ. SUP CLASS
6140REVIEWERS ARMY-EL; NAVY-DOCKS; AF-ROAMA
USERS ARMY-GL; NAVY-MC; SHIPS, WEPS

PHYSICAL AND ELECTRICAL REQUIREMENTS

MS PART NUMBER	MS 91311-50
CLASS	FE
WEIGHT (FILLED)	67 POUNDS MAXIMUM
NOMINAL VOLTAGE	12 VOLTS
FINAL VOLTAGE AT 20-HOUR RATE	10.8 VOLTS
RATED CAPACITY AT 20-HOUR RATE	55 AMPERE-HOURS
DISCHARGE AT 20-HOUR RATE	2.75 AMPERES
CHARGING RATE	5 AMPERES

QUALIFICATION AND QUALITY CONFORMANCE INSPECTIONS

TEST	MINIMUM VALUE
FILLED DISCHARGE AT 80°F	41.25 AMPERE-HOURS
FULL CHARGE CAPACITY AT 80°F	55 AMPERE-HOURS
LOW TEMP PERFORMANCE AT MINUS 40°F	13.75 AMPERE-HOURS
LIFE CYCLE CAPACITY TEST I	300 CYCLES
RETENTION OF CHARGE	38.6 AMPERE-HOURS

NOTES:

1. UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ARE $\pm 1/8$.
2. THE MS PART NUMBER CONSISTS OF THE MS MILITARY STANDARD NUMBER FOLLOWED BY A DASH NUMBER. THE DASH NUMBER "50" IS DERIVED FROM ASSIGNED NOMENCLATURE.
3. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.
4. FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.
5. THIS STANDARD IS NOT INTENDED TO LIMIT CONSTRUCTION TO FEATURES OTHER THAN AS SHOWN HEREON BY DIMENSIONS, NOTATIONS, OR REFERENCED DOCUMENTS.

This military standard is approved by the Department of Defense and is mandatory on all activities. Selection for all new engineering and design specifications and for maintenance use shall be made from this document.

P A MOIATAC)

Other Cost
NAVY-DOCKS
AF-ROAMA

TITLE

BATTERY, STORAGE, LEAD-ACID
PORTABLE, BB-50

MILITARY STANDARD

MS 91311

PROCUREMENT SPECIFICATION
MIL-B-11188

SUPERSEDES

SHEET 2

DD FORM 672-1

APPROVED 18 JULY 1956 REVISED (A) 11 JUNE 1964