

FED. SUP CLASS  
6140

USER SYMBOLS:

REVIEWER SYMBOLS:

DOSC-GS

"Review/user information is current as of the date of this document.  
For future coordination of changes to this document, direct circulation  
should be based on the information in the current DODISG."

This military standard is mandatory for use by all Departments  
& Agencies of the Department of Defense. Selection for all new  
engineering and design applications and for repetitive use shall  
be made from this document.

MS PART NUMBER	DUTY	DISCHARGE RATE	NOMINAL CAPACITY, AMPERE- HOURS	NOMINAL SIZE, NUMBER	MAXIMUM WEIGHT, POUNDS	SUPERSEDES
MS18045-35	LIGHT		11	1	16	MS18046-24
-36			27	2	30	MS18046-1, -6, MS25155-1
-37			46	3	50	MS18045-2, -7, MS25157-1
-38	LIGHT		67	4	75	MS18045-3, -8, MS25158-1
-39	MEDIUM		1-1/2	10	17	MS18046-35
-40			10	3	24	MS18045-11, MS25210-5
-41			18	3	55	AN3151-1, -2, MS18045-13, MS25210-7, MS25211-1, -2
-42	MEDIUM		31	4	80	AN3150-1, -2, MS18045-15, MS25210-1, -2, -9
-43	HEAVY	LOW	4-1/2	10	17	MS18046-26
-44			10	2	34	MS18045-10, MS25217-4
-45			20	2	55	MS18046-30, MS25217-1, -3, -5
-46		LOW	31	4	80	MS18045-23, MS25217-6, MS25218-1, -2
-47		HIGH	4	10	17	MS18045-27
-48			9	2	34	MS18045-19
-49			18	3	55	MS18045-21
-50	HEAVY	HIGH	27	4	80	MS18045-23
-55	MEDIUM		MS18046-30 WITHOUT COVER		16.00	
-56			40		33.88	
-57			41		53.71	
-58	MEDIUM		42 WITHOUT COVER		78.66	
-59	LIGHT		11	5	15	
-60			16	6	10	
-61			27	7	30	
-62			46	8	50	
-63	LIGHT		67	9	75	
-64	HEAVY	LOW	4-1/2	11	17	
-65			7	12	26	
-66			10	13	34	
-67			14	14	46	
-68			20	15	55	
-69		LOW	31	16	80	
-70		HIGH	4	11	17	
-71			6	12	26	
-72			9	13	34	
-73			13	14	46	
-74			18	15	55	
-75	HEAVY	HIGH	27	16	80	

## NOTES

- INACTIVE PART NUMBERS. PART NUMBERS MS18045-35 THROUGH -58 ARE INACTIVE FOR DESIGN. NO NEW AIRCRAFT SHALL BE DESIGNED TO USE ANY OF THESE BATTERIES. NOR SHALL ANY EXISTING AIRCRAFT BE MODIFIED TO USE ANY OF THEM, EXCEPT THAT AN AIRCRAFT WHICH USES AN ACID BATTERY MAY BE MODIFIED TO USE AN ALKALINE BATTERY WHICH CONFORMS TO MS18093 FOR THE SAME NOMINAL SIZE AS DOES THE ACID BATTERY.
- QUALIFICATION. THIS REVISION DOES NOT AFFECT QUALIFICATION. ITEMS WHICH WERE QUALIFIED TO MS18045R REMAIN QUALIFIED TO MS18045S.
- DIMENSIONS. EACH BATTERY SHALL CONFORM TO MS18093 FOR THE NOMINAL SIZE LISTED ABOVE.
- CONNECTORS. INTERCELL AND CELL-TO-RECEPTACLE CONNECTORS OF MS18045-64 THROUGH -75 BATTERIES SHALL CONFORM TO MS3347.
- SPECIFICATION. THE BATTERIES SHALL CONFORM TO REQUIREMENTS OF MIL-B-8565 FOR GENERAL PURPOSE, MAINTAINABLE, VENTILATED, RECEPTACLE CONNECTED, CRADLE-MOUNTED BATTERIES.

## SUPERSESSON DATA

## PART NUMBER

MS18045-44  
MS18045-45  
MS18045-46  
MS18045-48  
MS18045-49  
MS18045-50

## SUPERSEDED BY

MS1757/7-1 AND MS1757/7-2  
MS1757/8-1 AND MS1757/8-2  
MS1757/9-1 AND MS1757/9-2  
MS1757/7-1 AND MS1757/7-2  
MS1757/8-1 AND MS1757/8-2  
MS1757/9-1 AND MS1757/9-2

ALL OTHER PART NUMBERS ELIMINATED IN THIS ISSUE ARE CANCELLED WITH NO SUPERSEDING DOCUMENT.

- \*\* CERTAIN PROVISIONS OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT (ASCC AIP STD 12/15). WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL EFFECT OF VIOLATE THE INTERNATIONAL AGREEMENT CONCERNED, THE PREPARING ACTIVITY WILL TAKE APPROPRIATE RECONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF REQUIRED.

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

(T) DENOTES CHANGES

P.A. NAVY - AS Other Comd	INTERNATIONAL INTEREST	TITLE  BATTERIES, STORAGE, AIRCRAFT, 24-VOLT, GENERAL PURPOSE	MILITARY STANDARD  MS18045
ARMY - ER	**	PROCUREMENT SPECIFICATION MIL-B-8565	SHEET 1 OF 1
		SUPERSEDES AN3150, AN3151, MS25155, MS25187, AND MS25158 FOR ARMY AND NAVY USE; MS25210, MS25211, MS25217, AND MS25218	

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJECT NO. 6140-0527

PLATE NO. 15329

APPROVED 14 MAY 83  
REVISED 17 NOV 1970  
10 MARCH 1980

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USER SYMBOLS:

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DESC 100

"Review/Year" information is current as of the date of this document.  
For future coordination of changes to this document, draft circulation  
should be based on the information in the current DODISS."

This is a mandatory standard for use by all Departments,  
B. Agencies of the Department of Defense. Selection for use  
by the Army and design specifications and for regular use shall  
be made from this document.

MS PART NUMBER	DUTY	DISCHARGE RATE	NOMINAL CAPACITY, AMPERE - HOURS	NOMINAL SIZE, NUMBER	MAXIMUM WEIGHT, POUNDS	SUPERSEDES
MS18045-35	LIGHT	-	11	1	16	MS18045-24
-36	↑	-	27	2	30	MS18045-1, 6, MS25155-1
-37	↑	-	46	3	50	MS18045-2, 7, MS25157-1
-38	LIGHT	-	67	4	75	MS18045-3, 8, MS25158-1
-39	MEDIUM	-	4-1-2	10	17	MS18045-25
-40	↑	-	10	2	24	MS18045-11, MS25210-5
-41	↑	-	18	3	55	AN3151-1, -2, MS18045-13, MS25210-7, MS25211-1, -2
-42	MEDIUM	-	31	4	80	AN3150-1, -2, MS18045-15, MS25210-1, -2, -9
-43	HEAVY	LOW	4-1-2	10	17	MS18045-26
-44	↑	↑	10	2	34	MS18045-10, MS25217-4
-45	↑	↑	20	3	55	MS18045-20, MS25217-1, 2, 5
-46	↑	LOW	31	4	80	MS18045-22, MS25217-6, MS25218-1, 2
-47	↑	HIGH	4	10	17	MS18045-27
-48	↑	↑	9	2	34	MS18045-19
-49	↑	↑	18	3	55	MS18045-21
-50	HEAVY	HIGH	27	4	80	MS18045-23
-55	MEDIUM	-	30 WITHOUT COVER	-	16.00	-
-56	↑	↑	40	-	32.88	-
-57	↑	↑	41	-	62.71	-
-58	MEDIUM	-	42 WITHOUT COVER	-	70.66	-
-59	LIGHT	-	11	6	16	-
-60	↑	-	16	6	10	-
-61	↑	-	27	7	30	-
-62	↑	-	46	8	60	-
-63	LIGHT	-	67	9	75	-
-64	HEAVY	LOW	4-1-2	11	17	-
-65	↑	↑	7	12	26	-
-66	↑	↑	10	13	34	-
-67	↑	↑	14	14	48	-
-68	↑	↑	24	16	55	-
-69	↑	LOW	31	16	80	-
-70	↑	HIGH	4	11	17	-
-71	↑	↑	6	12	26	-
-72	↑	↑	9	13	34	-
-73	↑	↑	13	14	48	-
-74	↑	↑	18	16	55	-
-75	HEAVY	HIGH	27	18	80	-

## NOTES

- INACTIVE PART NUMBERS. PART NUMBERS MS18045-35 THROUGH MS18045-48 ARE INACTIVE FOR DESIGN. NO NEW AIRCRAFT SHALL BE DESIGNED TO USE ANY OF THESE BATTERIES. NO EXISTING AIRCRAFT BE MODIFIED TO USE ANY OF THEM. EXCEPT THAT AN AIRCRAFT WHICH USES AN ACID BATTERY MAY BE MODIFIED TO USE AN ALKALINE BATTERY WHICH CONFORMS TO MS18045 FOR THE SAME NOMINAL SIZE AS DOES THE ACID BATTERY.
- QUALIFICATION. THIS DIVISION DOES NOT AFFECT QUALIFICATION. ITEMS WHICH WERE QUALIFIED TO MS18045-1 THROUGH MS18045-23 REMAIN QUALIFIED TO MS18045-1.
- DIMENSIONS. EACH BATTERY SHALL CONFORM TO MS18045 FOR THE NOMINAL SIZE LISTED ABOVE.
- CONNECTIONS. INTERIOR AND EXTERIOR CONNECTIONS OF MS18045-1 THROUGH MS18045-23 BATTERIES SHALL CONFORM TO MS18045.
- APPLICATION. THE BATTERY SHALL CONFORM TO REQUIREMENTS OF MS18045 FOR GENERAL PURPOSE, MAINTAINABLE, MODIFIABLE, REPAIRABLE, CONNECTED, OR DISCONNECTED BATTERIES.

## SUPERSEDITION DATA

EAPC NUMBER	SUPERSEDED BY
MS18045-1	MS1775-1 AND MS1775-2
MS18045-2	MS1775-1 AND MS1775-2
MS18045-3	MS1775-1 AND MS1775-2
MS18045-4	MS1775-1 AND MS1775-2
MS18045-5	MS1775-1 AND MS1775-2
MS18045-6	MS1775-1 AND MS1775-2
MS18045-7	MS1775-1 AND MS1775-2

ALL OTHER EAPC NUMBERS ELIMINATED IN THIS ISSUE ARE CANCELLED WITH NO SUPERSEDING DOCUMENT.

CERTAIN PROVISIONS OF THIS STANDARD ARE THE EFFECT OF INTERNATIONAL STANDARDIZATION AGREEMENT (ASCO AIR STD 12-15). WHEN PROVISION OF CANCELLATION OF THIS STANDARD IS PROPOSED WHICH WILL EFFECT OR VIOLATE THE INTERNATIONAL AGREEMENT CONCERNING THE PREPARING ACTIVITY WILL TAKE APPROPRIATE CONCILIATION ACTION THROUGH INTERNATIONAL STANDARDIZATION CHANNELS, INCLUDING DEPARTMENTAL STANDARDIZATION OFFICES, IF NECESSARY.

FOR DUSTY PLATES. EMPLOYED, THIS STANDARD TAKES PRECEDENCE OVER PRECEDENCE DOCUMENTS REFERENCED HEREIN. REVISIONS DOCUMENTS SHALL BE OF THE FORM IN WHICH AN DATE OF INITIATIONS FOR EAPC.

(T) DENOTES CHANGES

P.A. NAVY - AS Other Cust	INTERNATIONAL INTEREST	TITLE BATTERIES, STORAGE, AIRCRAFT. 24-VOLT, GENERAL PURPOSE	MILITARY STANDARD <b>MS18045</b>
ARMY - ER	**	PROCURMENT SPECIFICATION MIL-B-8565	SHEET 1 OF 1
SUPERSEDES AN3150, AN3151, MS25155, MS25157, AND MS25158 FOR ARMY AND NAVY USE; MS25210, MS25211, MS25217, AND MS25218			

DD FORM 672-1 (Coordinated)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT NO. 6140-0527

PLATE NO. 15320

APPROVED 14 MAY 63  
REVISED 14 MAY 63  
14 MAY 1987