

# Instructions for Storage and Installation

## STORING A DRY-CHARGED BATTERY

1. After unpacking the battery, carefully check whether there is any visible damage.
2. The new battery must not be exposed to high temperatures and/or fluctuating temperature condition. Store battery in a dry, cool, dark place, and it is strongly suggested to use the battery with earliest manufacture date.

## INSTALLING A NEW BATTERY

1. When replacing a car battery, positive and negative terminals must be identified correctly.
2. Remove " Ground " terminal first, which is connected to the car body, to avoid short-circuit.
3. Inspect cables and terminals thoroughly. If the terminals are corroded, brush gently using a wire brush.
4. Clean the cable and ground-line ends to secure perfect electrical conduction.
5. The new replacement battery should be fully charged to ensure high performance.
6. Fit the battery on the cradle perfectly to prevent it from moving.
7. The cable connected to the battery terminal should be long enough to remain slack.
8. Prior to connecting the terminals, make sure that the positive and the negative terminals are not reversed. Note that the diameter of the top tapered positive terminal is about 1.5 mm wider than the negative terminal. Individual cable terminal are designed to match only the appropriate battery terminal. This might help in reducing the risk of plugging wrong cable terminals.
9. Battery terminals should be polished and coated with rust-proof grease sufficiently before connected to the cable terminals.
10. Connect the ground terminal.
11. To make sure that the positive and negative terminals are connected correctly, switch on the head lights before cranking the engine.

## General Information of Battery Safety

- **Battery Acid is Corrosive and May Cause Burns.**  
Avoid contact of electrolyte with eyes, skin, and clothing. If it is spilled to your skin or clothing, neutralize it with a solution of baking soda and water. If it is splashed into eyes, gently open and wash with running cool and clean water for 5 minutes, and see a doctor for further treatment.
- **If electrolyte is swallowed**  
Drink a large quantity of water or milk, following by milk of magnesia, beaten eggs, or vegetable oil, and see a doctor for further treatment.
- **When it is necessary to refill electrolyte**  
Refill the electrolyte in the battery when it approaches lower level. Do not refill exceeding the upper level to avoid any damage. Always refill with distilled water. Never refill with sulfuric acid or any other liquids.
- **Exploding battery**  
Batteries generate explosive gases during vehicle operation and when charged separately. Flames, sparks, burning cigarettes or other ignition sources must be kept away at all times.
- **Caution, always shield eyes when working near battery**  
When charging batteries, work in well ventilated area, never in a closed room. Make sure to turn off the battery charger before disconnecting the battery.

## CAUTION



Please put empty bottle into trash can.



## MAINTENANCE



### CLEANING

Keep the battery top cover dry clean and free from corrosion. Examine vent holes and exhaust tube to ascertain they are free from dirt or fold



### ADDING DISTILLED WATER

If electrolyte level is lower than the " LOWER LEVEL " add some distilled water until reaches the " UPPER LEVEL " Mark.



### WHEN IS ADDITIONAL CHARGING REQUIRED?

If the gravity of electrolyte is lower than 1.220 or if the battery is stored for more than one



# HIGH PERFORMANCE



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**Certification**

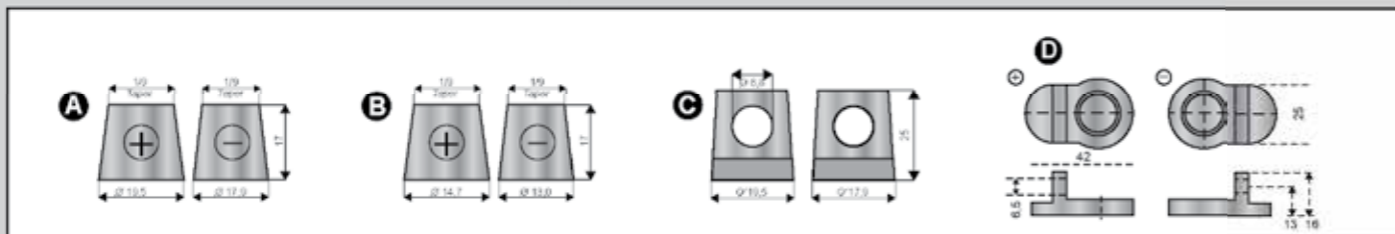


**The Handle Utilization**

When a battery is taken out of its packaging there is a risk of being dropped to the ground and get damaged. Each ASahi battery is equipped with ergonomical handle as a feature which offer efficiency and safety handling.



**Terminal**



☑ Calcium Technology

☑ Better Efficiency and More Power

☑ Higher Durability For All Terrains

**The using of indicator**

An electrolyte liquid shortage may result in shorter battery life time. It can also cause explosion when the battery runs out completely of the electrolyte. Each ASahi Maintenance free battery comes with an electrolyte level indicator which allow a simple way of checking the battery. This feature applied to ensure customer's safety.



# FOR JAPANESE VEHICLES (JIS)

## Dry Charged Specification

BATTERY TYPE		VOLT (V)	CAPACITY		CCA (A)	RC (@ 25A) (Min)	DIMENSION (mm)				ACID VOL. APPROX (Liters)	LAY OUT	TERMINAL TYPE
OLD JIS TYPE	NEW JIS TYPE		20HR (AH)	5HR (AH)			L	W	H	TH			
12N24-3	26A19L	12	26	21	211	29	187	127	162	184	1.8	2	C
12N24-4	26A19R	12	26	21	211	29	187	127	162	184	1.8	1	C
NS40	32B20R	12	32	26	243	36	197	129	203	227	2.7	1	B
NS40(S)	32B20R(S)	12	32	26	243	36	197	129	203	227	2.7	1	A
NS40L	32B20L	12	32	26	243	36	197	129	203	227	2.7	2	B
NS40L(S)	32B20L(S)	12	32	26	243	36	197	129	203	227	2.7	2	A
NS40Z	36B20R	12	35	28	288	39	197	129	203	227	2.6	1	B
NS40ZL	36B20L	12	35	28	288	39	197	129	203	227	2.6	2	B
NS40Z(S)	36B20R(S)	12	35	28	288	39	197	129	203	227	2.6	1	A
NS40ZL(S)	36B20L(S)	12	35	28	288	39	197	129	203	227	2.6	2	A
N40	32C24R	12	40	32	249	40	238	129	203	227	3.2	1	A
N40L	32C24L	12	40	32	249	40	238	129	203	227	3.2	2	A
NS60	46B24R	12	45	36	341	56	238	129	203	227	3.0	1	B
NS60L	46B24L	12	45	36	341	56	238	129	203	227	3.0	2	B
NS60(S)	46B24R(S)	12	45	36	341	56	238	129	203	227	3.0	1	A
NS60L(S)	46B24L(S)	12	45	36	341	56	238	129	203	227	3.0	2	A
N50	48D26R	12	50	40	278	72	260	173	204	225	5.3	1	A
N50L	48D26L	12	50	40	278	72	260	173	204	225	5.3	2	A
N50Z	55D26R	12	60	48	365	82	260	173	204	225	5.1	1	A
N50ZL	55D26L	12	60	48	365	82	260	173	204	225	5.1	2	A
55D23R	55D23R	12	60	48	373	74	232	173	204	225	4.2	1	A
55D23L	55D23L	12	60	48	373	74	232	173	204	225	4.2	2	A
NS70	65D26R	12	65	52	433	89	260	173	204	225	4.9	1	A
NS70L	65D26L	12	65	52	433	89	260	173	204	225	4.9	2	A
NX110-5	80D26R	12	68	55	490	103	260	173	204	225	4.7	1	A
NX110-5L	80D26L	12	68	55	490	103	260	173	204	225	4.7	2	A
N70	65D31R	12	70	56	408	97	306	173	204	225	6.0	1	A
N70L	65D31L	12	70	56	408	97	306	173	204	225	6.0	2	A
N70Z	75D31R	12	75	60	469	116	306	173	204	225	5.7	1	A
N70ZL	75D31L	12	75	60	469	116	306	173	204	225	5.7	2	A
NX120-7	95D31R	12	80	64	653	125	306	173	204	225	5.2	1	A
NX120-7L	95D31L	12	80	64	653	125	306	173	204	225	5.2	2	A
105D31R	105D31R	12	90	72	710	132	306	173	204	225	5.0	1	A
105D31L	105D31L	12	90	72	710	132	306	173	204	225	5.0	2	A
N100	95E41R	12	100	80	537	150	410	176	213	234	8.1	1	A
N100L	95E41L	12	100	80	537	150	410	176	213	234	8.1	2	A
N120	115F51	12	120	96	669	180	505	182	213	257	9.6	3	A
N150	145G51	12	150	120	791	240	508	222	213	257	12.6	3	A
165G51	165G51	12	170	136	933	300	508	222	213	257	12.1	3	A
N200	190H52	12	200	160	1100	370	521	278	220	270	16.8	3	A

# EXPORT PACKING STANDARD FOR JIS TYPE

BATTERY SERIES	NEW JIS SERIES	WEIGHT / Pcs (kg)		VOLUME (M <sup>3</sup> )	PALLET SIZE	BATTERY PER PALLET	WEIGHT / PALLET (kg)		VOLUME (M <sup>3</sup> )
		Nett *	Gross **				Nett	Gross	
12N24	26A19	4.78	4.90	0.005	S	120	574	612	0.867
					L	160	765	809	1.092
NS40	32B20	5.77	5.90	0.007	S	120	692	732	1.002
					L	160	923	969	1.273
NS40(S)	32B20(S)	5.77	5.90	0.007	S	120	692	732	1.002
					L	160	923	969	1.273
NS40Z	36B20	6.56	6.69	0.007	S	120	787	827	1.002
					L	160	1,050	1,035	1.273
NS40Z(S)	36B20(S)	6.56	6.69	0.007	S	120	787	827	1.002
					L	160	1,050	1,035	1.273
N40	32C20	6.85	7.00	0.008	S	96	658	696	1.002
					L	128	877	921	1.273
NS60	46B24	7.85	8.00	0.008	S	96	754	792	1.002
					L	128	1,005	1,049	1.273
NS60(S)	46B24(S)	7.85	8.00	0.008	S	96	754	792	1.002
					L	128	1,005	1,049	1.273
N50	48D26	8.20	8.40	0.012	S	72	590	629	1.005
					L	96	787	831	1.277
N50Z	55D26	9.70	9.90	0.012	S	72	698	737	1.005
					L	96	931	975	1.277
55D23	55D23	10.01	10.20	0.010	S	72	721	758	0.996
					L	96	961	1,034	1.264
NS70	65D26	10.20	10.40	0.012	S	72	734	773	1.005
					L	96	979	1,023	1.277
NX110-5	80D26	10.40	10.60	0.012	S	72	749	787	1.005
					L	96	998	1,043	1.277
N70	65D31	10.88	11.10	0.013	S	63	685	723	0.999
					L	84	914	957	1.268
N70Z	75D31	12.18	12.40	0.013	S	63	767	805	0.999
					L	84	1,023	1,067	1.268
NX120-7	95D31	13.78	14.00	0.013	S	63	868	906	0.999
					L	84	1,158	1,201	1.268
105D31	105D31	13.98	14.20	0.013	S	63	881	919	0.999
					L	84	1,174	1,218	1.268
N100	95E41	14.98	15.20	0.019	S	42	629	662	1.032
					L	56	839	876	1.312
N120	115F51	18.38	18.60	0.025	L	36	662	695	1.071
N150	145G51	22.58	22.80	0.031	L	30	677	709	1.071
165G51	165G51	23.88	24.10	0.031	L	30	716	748	1.075
N200	190H52	30.68	30.90	0.043	L	24	736	767	1.075

\* Nett = Battery + Vent Plug    \*\* Gross = Battery + Vent Plug + Carton Box + Styrofoam

## FOR EUROPEAN VEHICLES (DIN)

### Dry Charged Specification

BATTERY TYPE	VOLT (V)	CAPACITY 20HR (Ah)	CCA DIN (A)	DIMENSION				ACID VOL. APPROX (Liters)	LAY OUT	TERMINAL TYPE	HOLD DOWN	REMARK
				L (mm)	W (mm)	H (mm)	TH (mm)					
544-59	12	44	210	208	175	190	190	3.4	2	A	B3	C/V
544-65	12	44	210	208	175	190	190	3.4	1	A	B3	C/V
545-19	12	45	220	249	175	175	175	4.1	2	A	B4	C/V
555-59	12	55	255	246	175	190	190	4.4	2	A	B3	C/V
555-65	12	55	255	246	175	190	190	4.4	1	A	B3	C/V
562-19	12	62	280	249	175	190	190	3.3	2	A	B3	C/V
566-38	12	66	300	306	175	190	190	5.4	2	A	B3	C/V/R/H
574-12	12	74	300	306	175	190	190	4.0	2	A	B3	C/V
580-24	12	80	300	306	175	190	190	4.0	2	A	B3	C/V/R/H
588-27	12	88	395	377	175	190	190	5.6	2	A	B3	C/V
600-38	12	100	450	381	175	190	190	5.5	2	A	B3	C/V
650-38	12	150	700	512	213	194	220	12.0	4	A	-	R/H
670-18	12	170	700	512	213	194	220	11.8	4	A	-	R/H
620-34	12	120	575	512	190	194	220	10.0	4	A	-	R/H
700-27	12	200	900	517	274	214	240	15.2	4	A	-	R/H

C/V Central Ventilation R/H Rope Handle

## EXPORT PACKING STANDARD FOR DIN TYPE

BATTERY SERIES	WEIGHT / Pcs (kg)		VOLUME Per Pcs (M³)	PALLET SIZE	BATTERY Per PALLET	WEIGHT / PALLET (kg)		VOLUME Per PALLET (M³)
	Nett *	Gross **				Nett	Gross	
544	7.60	7.78	0.009	S	72	547	584	0.895
				L	96	730	772	1.194
555	9.06	9.24	0.010	S	72	652	689	0.899
				L	96	870	912	1.198
562	9.88	10.06	0.010	S	72	711	748	0.899
				L	96	948	991	1.198
566	10.43	10.64	0.013	S	63	657	694	0.899
				L	84	876	919	1.198
574	11.34	11.55	0.012	S	63	714	752	0.899
				L	84	953	995	1.198
580	12.26	12.47	0.012	S	63	772	810	0.899
				L	84	1,030	1,072	1.198
588	13.30	13.54	0.016	S	42	559	593	0.899
				L	56	745	783	1.198
600	15.70	15.96	0.016	S	42	659	694	0.899
				L	56	879	919	1.198
650	27.50	28.10	0.031	L	30	825	867	1.071
670	30.20	30.80	0.031	L	30	906	948	1.071
620	22.00	22.60	0.025	L	36	792	839	1.071
700	35.70	36.30	0.043	L	24	857	896	1.075

\* Nett = Battery + Vent Plug \*\* Gross = Battery + Vent Plug + Carton Box + Styrofoam

## Deep Cycle Battery

BATTERY TYPE	VOLT (V)	CAPACITY		DIMENSION (mm)				ACID VOL. APPROX (Liters)	LAYOUT	TERMINAL	OPTIONAL
		20HR (Ah)	5HR (Ah)	L	W	H	TH				
N70T	12	70	56	306	173	204	225	5.7	1	A	FOLDLUG TERMINAL (D), HANDLE
N100T	12	100	80	410	176	213	234	8.1	1	A	FOLDLUG TERMINAL (D), HANDLE
N150T	12	150	120	508	222	213	257	12.6	3	A	FOLDLUG TERMINAL (D), HANDLE
N200T	12	200	160	521	278	220	270	16.8	3	A	FOLDLUG TERMINAL (D), HANDLE

## EXPORT PACKING STANDARD Deep Cycle Battery

BATTERY SERIES	WEIGHT / Pcs (kg)	PALLET SIZE	BATTERY Per PALLET	NETT WEIGHT	GROSS WEIGHT	VOLUME Per PALLET
				(kg)	(kg)	(M³)
N70T	13.5	S	63	851	888	1.130
				1,134	1,177	1.409
N100T	17.5	S	42	734	772	0.930
				979	1,024	1.181
N150T	26.2	L	30	788	825	1.071
N200T	35.0	L	24	840	884	1.075

## FOR JAPANESE VEHICLES (JIS)



BATTERY TYPE		VOLT (V)	CAPACITY		CCA (A)	RC (Min)	DIMENSION (mm)				HOLD DOWN	LAY OUT	TERMINAL TYPE
OLD JIS TYPE	NEW JIS TYPE		5Hr (Ah)	20Hr (Ah)			L	W	H	TH			
MF 12N24-3	MF 26A19L	12	21	26	275	29	185	126	154	172	-	2	C
MF 12N24-4	MF 26A19R	12	21	26	275	29	185	126	154	172	-	1	C
MF NS40	MF 32B20R	12	26	32	300	36	195	127	201	225	-	1	B
MF NS40L	MF 32B20L	12	26	32	300	36	195	127	201	225	-	2	B
MF NS40(S)	MF 32B20R(S)	12	26	32	300	36	195	127	201	225	-	1	A
MF NS40L(S)	MF 32B20L(S)	12	26	32	300	36	195	127	201	225	-	2	A
MF NS40Z	MF 36B20R	12	28	35	350	39	195	127	201	225	-	1	B
MF NS40ZL	MF 36B20L	12	28	35	350	39	195	127	201	225	-	2	B
MF NS40Z(S)	MF 36B20R(S)	12	28	35	350	39	195	127	201	225	-	1	A
MF NS40ZL(S)	MF 36B20L(S)	12	28	35	350	39	195	127	201	225	-	2	A
MF N40	MF 32C24R	12	32	40	360	40	236	127	201	225	-	1	A
MF N40L	MF 32C24L	12	32	40	360	40	236	127	201	225	-	2	A
MF NS60	MF 46B24R	12	36	45	370	56	236	127	201	225	-	1	B
MF NS60L	MF 46B24L	12	36	45	370	56	236	127	201	225	-	2	B
MF NS60(S)	MF 46B24R(S)	12	36	45	370	56	236	127	201	225	-	1	A
MF NS60L(S)	MF 46B24L(S)	12	36	45	370	56	236	127	201	225	-	2	A
MF 55D23R	MF 55D23R	12	48	60	465	74	230	171	200	225	B6	1	A
MF 55D23L	MF 55D23L	12	48	60	465	74	230	171	200	225	B6	2	A
MF 75D23R	MF 75D23R	12	52	65	500	95	230	171	200	225	B6	1	A
MF 75D23L	MF 75D23L	12	52	65	500	95	230	171	200	225	B6	2	A
MF N50	MF 48D26R	12	40	50	430	72	257	171	200	225	B6	1	A
MF N50L	MF 48D26L	12	40	50	430	72	257	171	200	225	B6	2	A
MF N50Z	MF 55D26R	12	48	60	480	82	257	171	200	225	B6	1	A
MF N50ZL	MF 55D26L	12	48	60	480	82	257	171	200	225	B6	2	A
MF NS70	MF 65D26R	12	52	65	530	89	257	171	200	225	B6	1	A
MF NS70L	MF 65D26L	12	52	65	530	89	257	171	200	225	B6	2	A
MF NX110-5	MF 80D26R	12	55	68	595	103	257	171	200	225	B6	1	A
MF NX110-5L	MF 80D26L	12	55	68	595	103	257	171	200	225	B6	2	A
MF 90D26	MF 90D26R	12	57	72	600	108	257	171	200	225	B6	1	A
MF 90D26L	MF 90D26L	12	57	72	600	108	257	171	200	225	B6	2	A
MF N70	MF 65D31R	12	56	70	555	97	303	171	198	219	B7	1	A
MF N70L	MF 65D31L	12	56	70	555	97	303	171	198	219	B7	2	A
MF N70Z	MF 75D31R	12	60	75	610	116	303	171	198	219	B7	1	A
MF N70ZL	MF 75D31L	12	60	75	610	116	303	171	198	219	B7	2	A
MF NX120-7	MF 95D31R	12	64	80	700	125	303	171	198	219	B7	1	A
MF NX120-7L	MF 95D31L	12	64	80	700	125	303	171	198	219	B7	2	A
MF 105D31R	MF 105D31R	12	72	90	730	132	303	171	198	219	B7	1	A
MF 105D31L	MF 105D31L	12	72	90	730	132	303	171	198	219	B7	2	A
MF 115D31R	MF 115D31R	12	80	100	750	132	303	171	198	219	B7	1	A
MF 115D31L	MF 115D31L	12	80	100	750	132	303	171	198	219	B7	2	A
MF N100R	MF 95E41R	12	80	100	600	150	410	176	213	234	-	1	A
MF N100L	MF 95E41L	12	80	100	600	150	410	176	213	234	-	2	A
MF N120	MF 115F51	12	96	120	815	180	505	182	213	257	-	3	A
MF N150	MF 145G51	12	120	150	980	240	508	222	213	257	-	3	A
MF N200	MF 190H52	12	160	200	1160	370	521	278	220	270	-	3	A

## EXPORT PACKING STANDARD FOR JIS TYPE

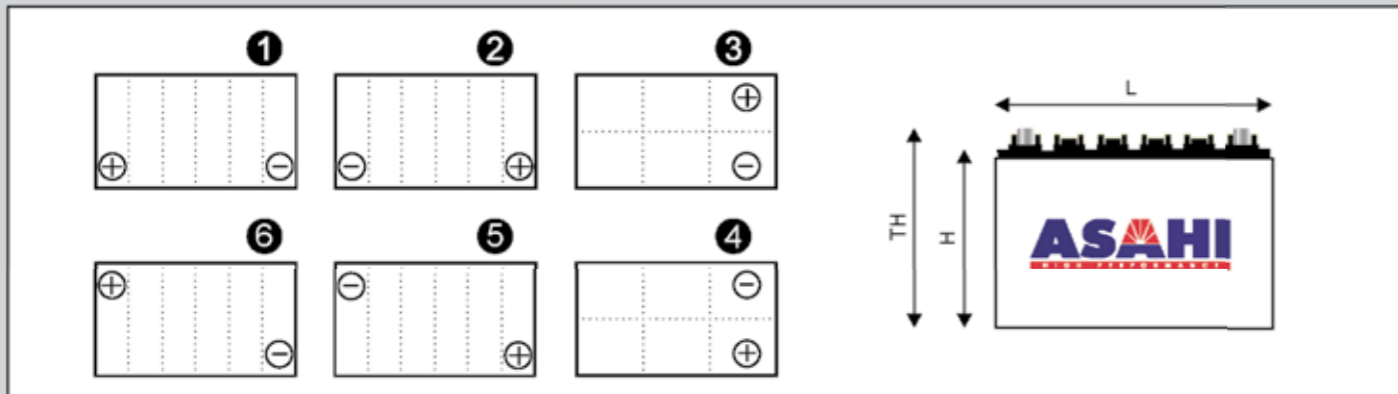
BATTERY SERIES	NEW JIS SERIES	WEIGHT / Pcs (kg)		VOLUME (M <sup>3</sup> )	PALLET SIZE	BATTERY PER PALLET	WEIGHT / PALLET (kg)		VOLUME (M <sup>3</sup> )
		Nett *	Gross **				Nett	Gross	
MF 12N24	MF 26A19	7.48	7.60	0.005	S	120	898	936	0.911
					L	160	1,197	1,241	1.136
MF NS40	MF 32B20	9.57	9.70	0.007	S	111	1,062	1,101	1.046
					L	148	1,416	1,461	1.317
MF NS40(S)	MF 32B20(S)	9.57	9.70	0.007	S	111	1,062	1,101	1.046
					L	148	1,416	1,461	1.317
MF NS40Z	MF 36B20	10.47	10.60	0.007	S	111	1,162	1,201	1.046
					L	148	1,550	1,594	1.317
MF NS40Z(S)	MF 36B20(S)	10.47	10.60	0.007	S	111	1,162	1,201	1.046
					L	148	1,550	1,594	1.317
MF N40	MF 32C20	11.45	11.60	0.008	S	93	1,065	1,103	1.046
					L	124	1,420	1,463	1.317
MF NS60	MF 46B24	12.45	12.60	0.008	S	93	1,158	1,196	1.046
					L	124	1,544	1,587	1.317
MF NS60(S)	MF 46B24(S)	12.45	12.60	0.008	S	93	1,158	1,196	1.046
					L	124	1,544	1,587	1.317
MF N50	MF 48D26	15.50	15.70	0.012	S	66	1,023	1,060	1.049
					L	88	1,364	1,407	1.321
MF N50Z	MF 55D26	16.50	16.70	0.012	S	66	1,089	1,126	1.049
					L	88	1,452	1,495	1.321
55D23	MF 55D23	15.51	15.70	0.010	S	72	1,117	1,154	1.040
					L	96	1,489	1,532	1.308
MF NS70	MF 65D26	17.00	17.20	0.012	S	66	1,122	1,159	1.049
					L	88	1,496	1,539	1.321
MF 75D23	MF 75D23	15.98	16.20	0.010	S	72	1,151	1,190	1.040
					L	96	1,534	1,580	1.308
MF N70	MF 65D31	19.48	19.70	0.013	S	54	1,052	1,088	1.043
					L	72	1,403	1,443	1.312
MF N70Z	MF 75D31	20.48	20.70	0.013	S	54	1,106	1,142	1.043
					L	72	1,475	1,515	1.312
MF NX110-5	MF 80D26	18.00	18.20	0.012	S	66	1,188	1,225	1.049
					L	88	1,584	1,627	1.321
MF 90D26	MF 90D26	18.80	19.00	0.012	S	66	1,241	1,278	1.049
					L	88	1,654	1,697	1.321
MF NX120-7	MF 95D31	21.48	21.70	0.013	S	54	1,160	1,196	1.043
					L	72	1,547	1,587	1.312
MF N70ZZ	MF 105D31	21.88	22.10	0.013	S	54	1,182	1,217	1.043
					L	72	1,575	1,616	1.312
MF 115D31	MF 115D31	22.48	22.70	0.013	S	54	1,214	1,250	1.043
					L	72	1,619	1,659	1.312
MF N100	MF 95E41	24.33	24.55	0.019	S	42	1,022	1,055	1.049
MF N120	MF 115F51	31.18	31.40	0.024	S	30	935	966	1.043
MF N150	MF 145G51	37.72	37.94	0.031	S	24	905	935	1.043
MF N200	MF 190H52	51.61	51.83	0.043	S	18	929	957	1.043

## FOR EUROPEAN VEHICLES (DIN)



BATTERY TYPE	VOLT (V)	CAPACITY 20HR (Ah)	CCA SAE (A)	CCA DIN (A)	DIMENSION (mm)				LAY OUT	TERMINAL TYPE	HOLD DOWN
					L	W	H	TH			
MF 544-59	12	44	360	190	208	175	190	190	L	A	B3
MF 544-64	12	44	360	190	208	175	190	190	R	A	B3
MF 555-30	12	55	430	235	246	175	190	190	L	A	B3
MF 555-48	12	55	430	235	246	175	190	190	R	A	B3
MF 555-59	12	55	430	235	246	175	190	190	L	A	B3
MF 555-65	12	55	430	235	246	175	190	190	R	A	B3
MF 560-73	12	60	450	250	246	175	190	190	L	A	B3
MF 562-19	12	62	480	265	246	175	190	190	L	A	B3
MF 562-21	12	62	480	265	246	175	190	190	R	A	B3
MF 566-33	12	66	510	280	306	175	190	190	R	A	B3
MF 566-38	12	66	510	280	306	175	190	190	L	A	B3
MF 572-29	12	72	550	290	306	175	190	190	L	A	B3
MF 572-33	12	72	550	290	306	175	190	190	R	A	B3
MF 574-12	12	74	575	300	306	175	190	190	L	A	B3
MF 574-13	12	74	575	300	306	175	190	190	R	A	B3
MF 575-19	12	75	585	320	306	175	190	190	L	A	B3
MF 575-20	12	75	585	320	306	175	190	190	R	A	B3
MF 580-24	12	80	600	325	306	175	190	190	L	A	B3
MF 588-21	12	88	630	350	377	175	190	190	R	A	B3
MF 588-27	12	88	630	350	377	175	190	190	L	A	B3
MF 600-38	12	100	710	380	377	175	190	190	L	A	B3

### Lay Out Terminal



## EXPORT PACKING STANDARD FOR DIN TYPE



BATTERY SERIES	WEIGHT / Pcs (kg)		VOLUME Per Pcs (M <sup>3</sup> )	PALLET SIZE	BATTERY Per PALLET	WEIGHT / PALLET (kg)		VOLUME (M <sup>3</sup> )
	Nett *	Gross **				Nett	Gross	
MF 544	12.42	12.60	0.008	S	72	908	930	0.904
				L	96	1,210	1,232	1.128
MF 555	15.22	15.40	0.009	S	72	1,105	1,127	0.904
				L	96	1,474	1,496	1.128
MF 560	15.42	15.60	0.009	S	72	1,123	1,145	0.964
				L	96	1,498	1,520	1.286
MF 562	15.62	15.80	0.009	S	72	1,138	1,160	0.964
				L	96	1,517	1,539	1.286
MF 566	16.99	17.20	0.010	S	54	925	947	0.904
				L	72	1,233	1,255	1.128
MF 572	17.79	18.00	0.010	S	54	961	983	0.820
				L	72	1,282	1,303	1.093
MF 574	18.09	18.30	0.010	S	54	972	994	0.820
				L	72	1,296	1,318	1.093
MF 575	18.39	18.60	0.010	S	54	983	1,005	0.820
				L	72	1,310	1,332	1.093
MF 580	18.39	18.60	0.010	S	54	983	1,005	0.820
				L	72	1,310	1,332	1.093
MF 588	22.66	22.90	0.013	S	45	1,032	1,054	0.904
				L	60	1,397	1,419	1.128
MF 600	23.56	23.80	0.013	S	45	1,080	1,102	0.871
				L	60	1,440	1,462	1.162

\* Nett = Battery + Vent Plug    \*\* Gross = Battery + Vent Plug + Carton Box + Styrofoam

### Base Hold Down

