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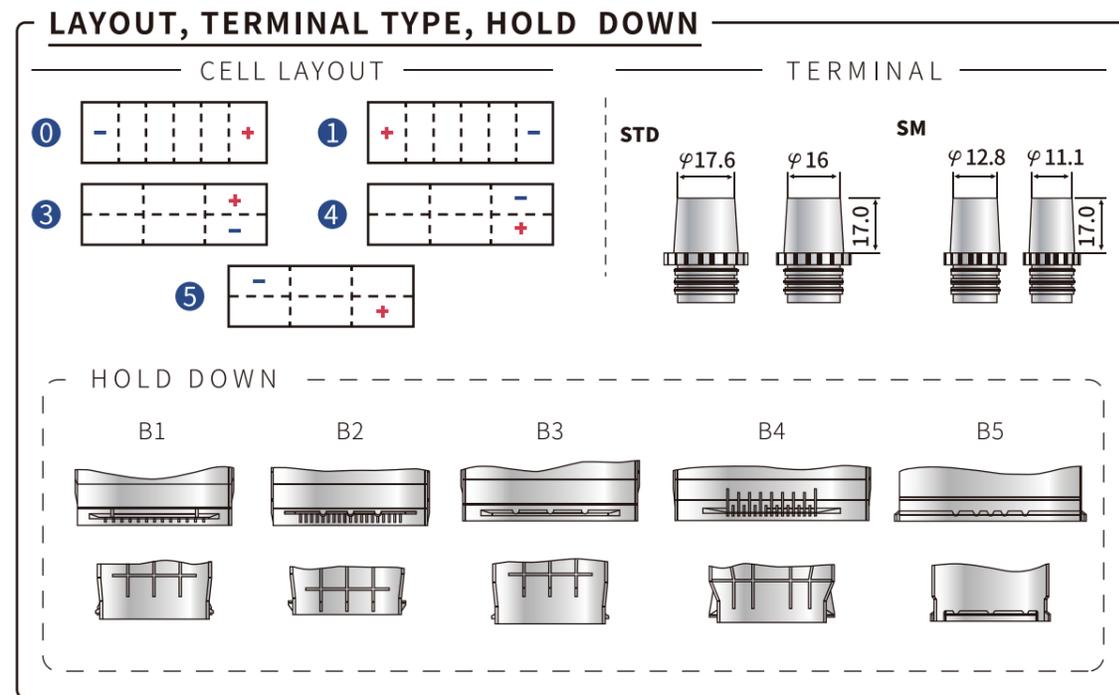
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Shibuya-ku, Tokyo, 150-8512, Japan
masuta.jp



masuta
マスター

究極のカーバッ
テリーカタログ
The ultimate
CAR BATTERY
CATALOG

DRY CHARGED BATTERY (JIS)



DRY CHARGED BATTERY (JIS) ①

JIS GR. No	Old JIS	New JIS	Dimension (mm)				Voltage (V)	Capacity (Ah)		RC (Min)	Layout	Terminal	HOLD DOWN
			L	W	H	TH		5HR	20HR				
B19	NS40	32B20R	197	129	202	222	12	25.6	32	48	1	SM	
	NS40L	32B20L	197	129	202	222	12	25.6	32	48	0	SM	
B20	NS40Z	36B20R	197	129	202	222	12	28.8	36	52	1	SM	
	NS40ZL	36B20L	197	129	202	222	12	28.8	36	52	0	SM	
	NT60-S4R	38B20R	199	131	203	231	12	28.8	36	52	1	SM	
C24	N40	32C24R	237	129	202	222	12	32	40	60	1	SM/STD	
	N40L	32C24L	237	129	202	222	12	32	40	60	0	SM/STD	
B24	NS60	46B24R	237	129	202	222	12	36	45	71	1	STD	
	NS60L	46B24L	237	129	202	222	12	36	45	71	0	STD	
	NS60(S)	46B24R(S)	237	129	202	222	12	36	45	71	1	SM	
	NS60L(S)	46B24L(S)	237	129	202	222	12	36	45	71	0	SM	
	NX100-S6R	55B24R	237	129	202	222	12	36	45	79	1	STD	
	NX100-S6L	55B24L	237	129	202	222	12	36	45	79	0	STD	
	NX100-S6RS	55B24RS	237	129	202	222	12	36	45	79	1	SM	
D23	/	55D23R	230	170	201	222	12	48	60	100	1	STD	
	/	55D23L	230	170	201	222	12	48	60	100	0	STD	
	/	65D23R	230	170	201	222	12	52	65	110	1	STD	
	/	65D23L	230	170	201	222	12	52	65	110	0	STD	
	/	75D23R	230	170	201	222	12	52	65	110	1	STD	
	/	75D23L	230	170	201	222	12	52	65	110	0	STD	
D26	NS50	48D26R	260	172	204	224	12	40	50	81	1	STD	
	NS50L	48D26L	260	172	204	224	12	40	50	81	0	STD	
	NS50Z	55D26R	260	172	204	224	12	48	60	101	1	STD	
	NS50ZL	55D26L	260	172	204	224	12	48	60	101	0	STD	
	NS70	65D26R	260	172	204	224	12	52	65	113	1	STD	
	NS70L	65D26L	260	172	204	224	12	52	65	113	0	STD	
	/	75D26R	260	172	204	224	12	52	65	123	1	STD	
	/	75D26L	260	172	204	224	12	52	65	123	0	STD	
	NX110-5	80D26R	260	172	204	224	12	56	70	133	1	STD	
D31	NX110-5L	80D26L	260	172	204	224	12	56	70	133	0	STD	
	N70	65D31R	308	174	204	224	12	56	70	120	1	STD	
	N70L	65D31L	308	174	204	224	12	56	70	120	0	STD	
	N70Z	75D31R	308	174	204	224	12	60	75	130	1	STD	
	N70ZL	75D31L	308	174	204	224	12	60	75	130	0	STD	
	NX120-7	95D31R	308	174	204	224	12	64	80	140	1	STD	
E41	NX120-7L	95D31L	308	174	204	224	12	64	80	140	0	STD	
	/	105D31R	308	174	204	224	12	72	90	160	1	STD	
	/	105D31L	308	174	204	224	12	72	90	160	0	STD	
	N100	95E41R	408	170	200	222	12	80	100	182	1	STD	
	N100L	95E41L	408	170	200	222	12	80	100	182	0	STD	
	N100Z	105E41R	408	170	200	222	12	84	105	192	1	STD	
F51	N100ZL	105E41L	408	170	200	222	12	84	105	192	0	STD	
	NS120	115E41R	408	170	200	222	12	88	110	212	1	STD	
	NS120L	115E41L	408	170	200	222	12	88	110	212	0	STD	
G51	N120	115F51R	508	180	212	235	12	96	120	228	3	STD	
	N120L	115F51L	508	180	212	235	12	96	120	228	4	STD	
	N135	150F51R	508	180	212	235	12	108	135	270	3	STD	
H52	N135L	150F51L	508	180	212	235	12	108	135	270	4	STD	
	N150	145G51R	508	220	210	235	12	120	150	294	3	STD	
	N150L	145G51L	508	220	210	235	12	120	150	294	4	STD	
	N170	165G51R	508	220	210	235	12	136	170	343	3	STD	
	N170L	165G51L	508	220	210	235	12	136	170	343	4	STD	
H52	N180	195G51R	506	264	211	235	12	144	180	362	3	STD	
	N180L	195G51L	506	264	211	235	12	144	180	362	4	STD	
	N200	190H52R	506	264	211	235	12	160	200	421	3	STD	
	N200L	190H52L	506	264	211	235	12	160	200	421	4	STD	
H52	N220	245H52R	506	264	211	235	12	176	220	460	3	STD	
	N220L	245H52L	506	264	211	235	12	176	220	460	4	STD	
	/	6TN	256	266	208	230	12	80	100	182	3/5	STD	

DRY CHARGED BATTERY (DIN) ②

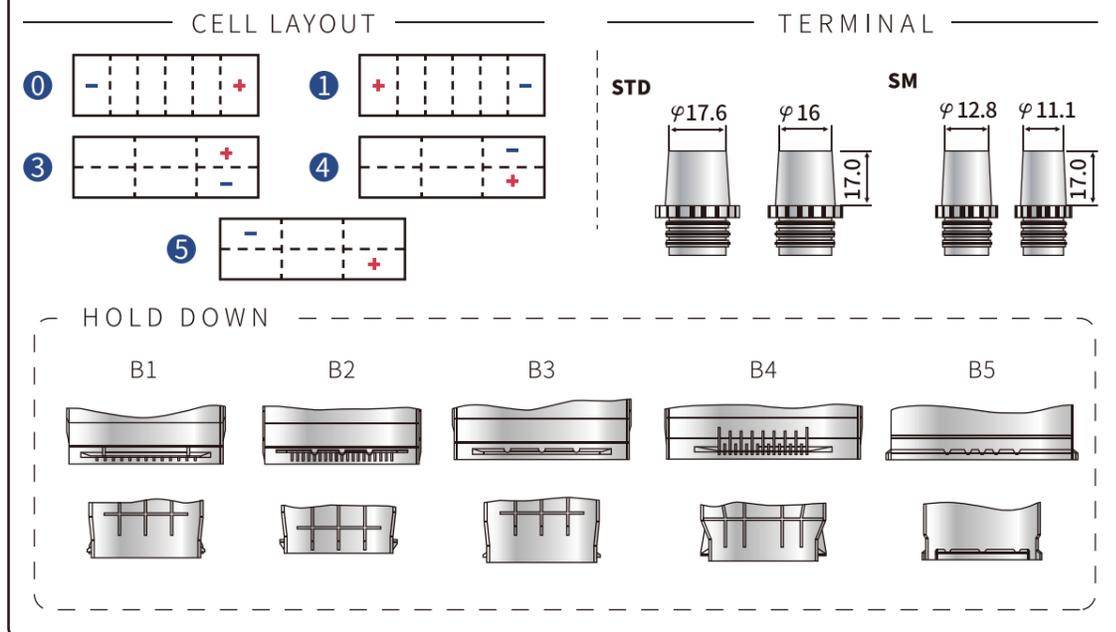
TYPE	Old DIN	New DIN	Dimension(mm)				Voltage (V)	Capacity(Ah)		RC (Min)	Layout	Terminal	HOLD DOWN
			L	W	H	TH		5HR	20HR				
L1	DIN40	54017	207	175	190	190	12	32	40	60	0	STD	B5
	DIN44	54434	207	175	190	190	12	35.2	44	66	0	STD	B5
	DIN44	54459	207	175	190	190	12	35.2	44	66	0	STD	B5
	DIN44	54464	207	175	190	190	12	35.2	44	66	1	STD	B5
LB2	DIN45	54519	240	175	175	175	12	36	45	66	0	STD	B5
	DIN45	54520	240	175	175	175	12	36	45	66	1	STD	B5
	DIN50	55046	240	175	175	175	12	40	50	75	1	STD	B5
	DIN54	55457	240	175	175	175	12	43.2	54	90	0	STD	B5
L2	DIN54	55459	240	175	175	175	12	43.2	54	90	1	STD	B5
	DIN55	55559	242	175	190	90	12	44	55	90	1	STD	B5
	DIN55	55565	242	175	190	190	12	44	55	90	0	STD	B5
	DIN60	56077	240	175	175	175	12	48	60	98	0	STD	B5
LB3	DIN62	56219	242	175	190	190	12	49.6	62	105	0	STD	B5
	DIN62	56220	242	175	190	190	12	49.6	62	105	1	STD	B5
	DIN54	55414	279	175	175	175	12	43.2	54	89	1	STD	B5
	DIN54	55415	279	175	175	175	12	43.2	54	89	0	STD	B5
	DIN63	56318	279	175	175	175	12	50.4	63	105	0	STD	B5
	DIN64	56420	279	175	175	175	12	51.2	64	108	0	STD	B5
	DIN68	56821	279	175	175	175	12	54.4	68	114	0	STD	B5
	DIN68	56818	279	175	175	175	12	54.4	68	114	0	STD	B5
L3	DIN71	57113	279	175	175	175	12	56.8	71	122	0	STD	B5
	DIN71	57114	279	175	175	175	12	56.8	71	122	1	STD	B5
	DIN66	56638	279	175	190	190	12	52.8	66	112	0	STD	B5
	DIN66	56633	279	175	190	190	12	52.8	66	112	1	STD	B5
	DIN72	57219	279	175	190	190	12	57.6	72	123	0	STD	B5
L4	DIN72	57220	279	175	190	190	12	57.6	72	123	1	STD	B5
	DIN74	57412	279	175	190	190	12	59.2	74	126	0	STD	B5
	DIN74	57413	279	175	190	190	12	59.2	74	126	1	STD	B5
LB5	DIN80	58043	315	175	190	190	12	64	80	135	0	STD	B5
L5	DIN85	58515	353	175	175	175	12	68	85	145	0	STD	B5
	DIN88	58827	353	175	190	190	12	70.4	88	150	0	STD	B5
	DIN88	58821	353	175	190	190	12	70.4	88	150	1	STD	B5
	DIN92	59218	353	175	190	190	12	73.6	92	160	0	STD	B5
	DIN92	59219	353	175	190	190	12	73.6	92	160	1	STD	B5
D4	DIN100	60038	353	175	190	190	12	80	100	179	0	STD	B5
	DIN100	60044	353	175	190	190	12	80	100	179	1	STD	B5
D5	DIN110	61017	508	180	212	235	12	88	110	200	0	STD	
	DIN120	62034	508	180	212	235	12	96	120	220	0	STD	
	DIN135	63530	508	180	212	235	12	108	135	256	0	STD	
D6	DIN140	64020	508	180	212	235	12	112	140	267	4	STD	
	DIN140	64028	508	180	212	235	12	112	140	267	3	STD	
	DIN143	64317	508	220	210	235	12	114.4	143	274	4	STD	
	DIN143	64318	508	220	210	235	12	114.4	143	274	3	STD	
	DIN150	65011	508	220	210	235	12	120	150	290	4	STD	
	DIN150	65012	508	220	210	235	12	120	150	290	3	STD	
	DIN170	67018	508	220	210	235	12	136	170	336	4	STD	
	DIN170	67019	508	220	210	235	12	136	170	336	3	STD	
D6	DIN180	68021	508	220	210	235	12	144	180	360	4	STD	
	DIN180	68022	508	220	210	235	12	144	180	360	3	STD	
	DIN180	68039	506	264	211	235	12	144	180	360	4	STD	
	DIN180	68040	506	264	211	235	12	144	180	360	3	STD	
	DIN200	70027	506	264	211	235	12	160	200	400	4	STD	
	DIN200	70029	506	264	211	235	12	160	200	400	3	STD	
	DIN210	71014	506	264	211	235	12	168	210	430	4	STD	
	DIN210	71015	506	264	211	235	12	168	210	430	3	STD	
	DIN225	72511	506	264	211	235	12	180	225	468	4	STD	
	DIN225	72513	506	264	211	235	12	180	225	468	3	STD	



SEALED MAINTENANCE FREE BATTERY (JIS)



LAYOUT, TERMINAL TYPE, HOLD DOWN



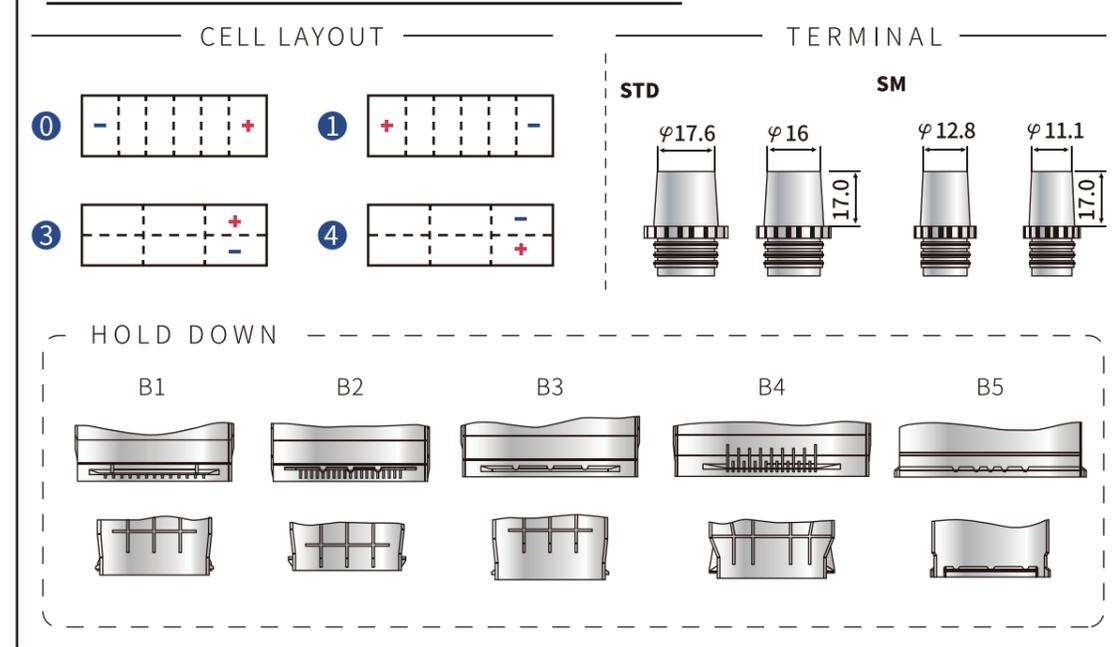
SEALED MAINTENANCE FREE BATTERY (JIS)

TYPE	Old JIS	New JIS	Dimension(mm)				Voltage (V)	Capacity(Ah)		RC (Min)	CCA (-18°C)	Layout	Terminal	HOLD DOWN
			L	W	H	TH		5HR	20HR					
B20	NS40	32B20R	197	129	202	224	12	25.6	32	48	345	1	SM	
	NS40L	32B20L	197	129	202	224	12	25.6	32	48	345	0	SM	
	NS40Z	36B20R	197	129	202	224	12	28.8	36	52	385	1	SM	
	NS40ZL	36B20L	197	129	202	224	12	28.8	36	52	385	0	SM	
C24	NT60-S4R	38B20R	197	134	202	224	12	28.8	36	52	385	1	SM	B5
	NT60-S4L	38B20L	197	134	202	224	12	28.8	36	52	385	0	SM	B5
	N40	32C24R	237	129	202	224	12	32	40	60	425/440	1	SM/STD	
B24	N40L	32C24L	237	129	202	224	12	32	40	60	425/440	0	SM/STD	
	NS60	46B24R	237	129	202	224	12	36	45	71	480	1	STD	
	NS60L	46B24L	237	129	202	224	12	36	45	71	480	0	STD	
	NS60(S)	46B24R(S)	237	129	202	224	12	36	45	71	465	1	SM	
	NS60L(S)	46B24L(S)	237	129	202	224	12	36	45	71	465	0	SM	
	NX100-S6R	55B24R	237	129	202	224	12	36	45	71	480	1	STD	
	NX100-S6L	55B24L	237	129	202	224	12	36	45	71	480	0	STD	
D23	NX100-S6RS	55B24RS	237	129	202	224	12	36	45	71	465	1	SM	
	NX100-S6LS	55B24LS	237	129	202	224	12	36	45	71	465	0	SM	
	/	55D23R	231	172	202	224	12	48	60	100	600	1	STD	B1
	/	55D23L	231	172	202	224	12	48	60	100	600	0	STD	B1
	/	65D23R	231	172	202	224	12	52	65	110	600	1	STD	B1
	/	65D23L	231	172	202	224	12	52	65	110	600	0	STD	B1
D26	/	75D23R	231	172	202	224	12	52	65	110	600	1	STD	B1
	/	75D23L	231	172	202	224	12	52	65	110	600	0	STD	B1
	N50	48D26R	260	173	202	224	12	40	50	81	500	1	STD	B3
	N50L	48D26L	260	173	202	224	12	40	50	81	500	0	STD	B3
	N50Z	55D26R	260	173	202	224	12	48	60	100	600	1	STD	B3
	N50ZL	55D26L	260	173	202	224	12	48	60	100	600	0	STD	B3
	NS70	65D26R	260	173	202	224	12	52	65	110	600	1	STD	B3
	NS70L	65D26L	260	173	202	224	12	52	65	110	600	0	STD	B3
	/	75D26R	260	173	202	224	12	52	65	110	600	1	STD	B3
	/	75D26L	260	173	202	224	12	52	65	110	600	0	STD	B3
D31	NX110-5	80D26R	260	173	202	224	12	56	70	120	650	1	STD	B3
	NX110-5L	80D26L	260	173	202	224	12	56	70	120	650	0	STD	B3
	N70	65D31R	300	172	202	224	12	56	70	120	650	1	STD	B3
	N70L	65D31L	300	172	202	224	12	56	70	120	650	0	STD	B3
	N70Z	75D31R	300	172	202	224	12	60	75	130	700	1	STD	B3
	N70ZL	75D31L	300	172	202	224	12	60	75	130	700	0	STD	B3
	NX120-7	95D31R	300	172	202	224	12	64	80	140	750	1	STD	B3
	NX120-7L	95D31L	300	172	202	224	12	64	80	140	750	0	STD	B3
E41	/	105D31R	300	172	202	224	12	72	90	160	800	1	STD	B3
	/	105D31L	300	172	202	224	12	72	90	160	800	0	STD	B3
	N100	95E41R	408	171	205	227	12	80	100	179	880	1	STD	
	N100L	95E41L	408	171	205	227	12	80	100	179	880	0	STD	
	N100Z	105E41R	408	171	205	227	12	84	105	192	920	1	STD	
	N100ZL	105E41L	408	171	205	227	12	84	105	192	920	0	STD	
F51	NS120	115E41R	408	171	205	227	12	88	110	202	980	1	STD	
	NS120L	115E41L	408	171	205	227	12	88	110	202	980	0	STD	
	N120	115F51R	505	180	212	237	12	96	120	223	880	3	STD	
	N120L	115F51L	505	180	212	237	12	96	120	223	880	4	STD	
	N135	150F51R	508	220	212	236	12	108	135	258	960	3	STD	
G51	N135L	150F51L	508	220	212	236	12	108	135	258	960	4	STD	
	N150	145G51R	508	220	212	236	12	120	150	292	1090	3	STD	
	N150L	145G51L	508	220	212	236	12	120	150	292	1090	4	STD	
	N170	165G51R	508	220	212	236	12	136	170	338	1220	3	STD	
	N170L	165G51L	508	220	212	236	12	136	170	338	1220	4	STD	
H52	N180	195G51R	515	266	214	236	12	144	180	362	1120	3	STD	
	N180L	195G51L	515	266	214	236	12	144	180	362	1120	4	STD	
	N200	190H52R	515	266	214	236	12	160	200	409	1280	3	STD	
	N200L	190H52L	515	266	214	236	12	160	200	409	1280	4	STD	
	N220	245H52R	515	266	214	236	12	176	220	458	1350	3	STD	
N220L	245H52L	515	266	214	236	12	176	220	458	1350	4	STD		
/	6TN	256	266	208	230	12	80	100	179	950	3/5	STD		

SEALED MAINTENANCE FREE BATTERY (DIN)



LAYOUT, TERMINAL TYPE, HOLD DOWN

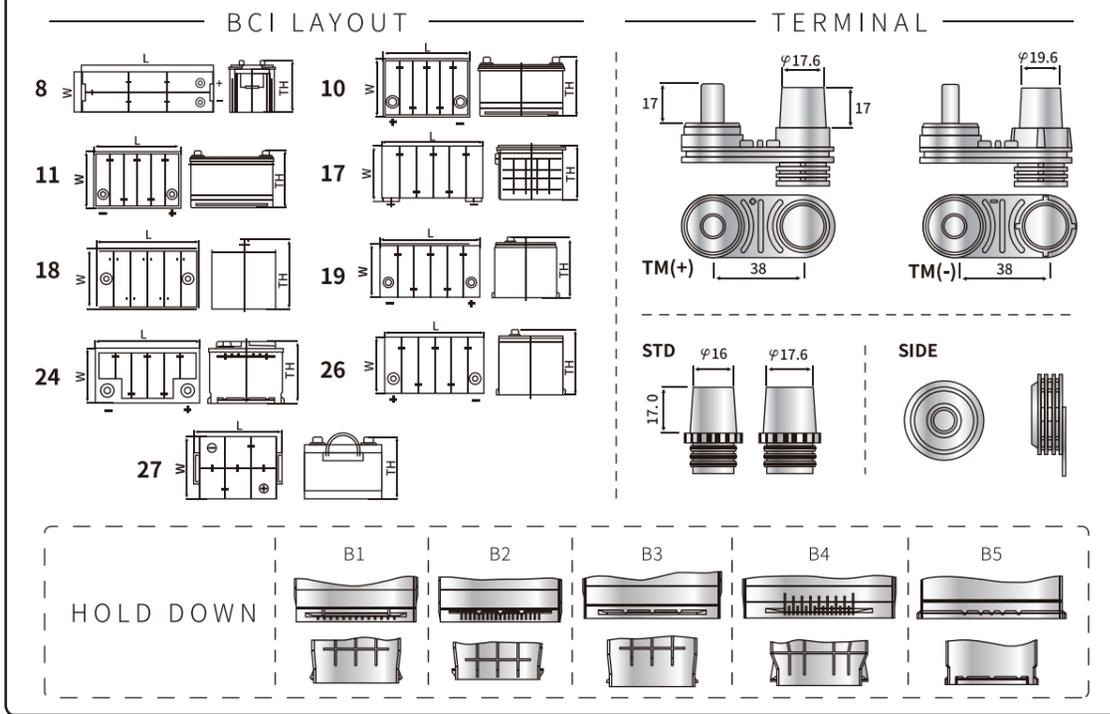


SEALED MAINTENANCE FREE BATTERY (DIN)

TYPE	Model	Dimension (mm)				Voltage (V)	Capacity (Ah)		RC (Min)	CCA (-18°C)	Layout	Terminal	HOLD DOWN
		L	W	H	TH		5HR	20HR					
LB1	53646	207	175	175	175	12	28.8	36	52	400	0	STD	B5
	53647	207	175	175	175	12	28.8	36	52	400	1	STD	B5
	54321	207	175	175	175	12	34.4	43	68	500	0	STD	B5
	54322	207	175	175	175	12	34.4	43	68	500	1	STD	B5
L1	54459	207	175	190	190	12	35.2	44	70	500	0	STD	B5
	54464	207	175	190	190	12	35.2	44	70	500	1	STD	B5
LB2	54519	240	175	175	175	12	36	45	71	550	0	STD	B5
	54520	240	175	175	175	12	36	45	71	550	1	STD	B5
	55046	240	175	175	175	12	40	50	81	600	1	STD	B5
	55457	240	175	175	175	12	43.2	54	89	650	0	STD	B5
	55459	240	175	175	175	12	43.2	54	89	650	1	STD	B5
	56077	240	175	175	175	12	48	60	100	700	0	STD	B5
L2	55559	240	175	190	190	12	44	55	88	550	1	STD	B5
	55565	240	175	190	190	12	44	55	88	550	0	STD	B5
	56219	240	175	190	190	12	49.6	62	103	600	0	STD	B5
	56220	240	175	190	190	12	49.6	62	103	600	1	STD	B5
56221	240	175	190	190	12	49.6	62	103	600	0	STD	B5	
LB3	55414	278	175	175	175	12	43.2	54	87	650	1	STD	B5
	55415	278	175	175	175	12	43.2	54	87	650	0	STD	B5
	56318	278	175	175	175	12	50.4	63	105	750	0	STD	B5
	56420	278	175	175	175	12	51.2	64	105	750	0	STD	B5
	56821	278	175	175	175	12	54.4	68	115	800	0	STD	B5
	56818	278	175	175	175	12	54.4	68	115	800	0	STD	B5
	57113	278	175	175	175	12	56.8	71	122	800	0	STD	B5
	57114	278	175	175	175	12	56.8	71	122	800	1	STD	B5
L3	56638	278	175	190	190	12	52.8	66	112	650	0	STD	B5
	56633	278	175	190	190	12	52.8	66	112	650	1	STD	B5
	57219	278	175	190	190	12	57.6	72	123	700	0	STD	B5
	57220	278	175	190	190	12	57.6	72	123	700	1	STD	B5
	57412	278	175	190	190	12	59.2	74	128	700	0	STD	B5
57413	278	175	190	190	12	59.2	74	128	700	1	STD	B5	
L4	58043	315	175	190	190	12	64	80	140	750	0	STD	B5
LB4	57539	315	175	175	175	12	60	75	130	850	0	STD	B5
LB5	58515	353	175	175	175	12	68	85	150	920	0	STD	B5
L5	58827	353	175	190	190	12	70.4	88	156	800	0	STD	B5
	58821	353	175	190	190	12	70.4	88	156	800	1	STD	B5
	59218	353	175	190	190	12	73.6	92	165	850	0	STD	B5
	59219	353	175	190	190	12	73.6	92	165	850	1	STD	B5
	60038	353	175	190	190	12	80	100	179	900	0	STD	B5
	60044	353	175	190	190	12	80	100	179	900	1	STD	B5
D4	61017	505	180	212	237	12	88	110	202	840	0	STD	
	62034	505	180	212	237	12	96	120	223	880	0	STD	
D5	63530	505	180	212	237	12	108	135	258	960	0	STD	
	64020	508	220	212	236	12	112	140	268	1020	4	STD	
	64028	508	220	212	236	12	112	140	268	1020	3	STD	
	64317	508	220	212	236	12	114.4	143	276	1020	4	STD	
	64318	508	220	212	236	12	114.4	143	276	1020	3	STD	
	65011	508	220	212	236	12	120	150	292	1090	4	STD	
	65012	508	220	212	236	12	120	150	292	1090	3	STD	
	67018	508	220	212	236	12	136	170	338	1220	4	STD	
	67019	508	220	212	236	12	136	170	338	1220	3	STD	
	68021	508	220	212	236	12	144	180	362	1250	4	STD	
	68022	508	220	212	236	12	144	180	362	1250	3	STD	
	D6	68039	515	266	214	236	12	144	180	305	1120	4	STD
68040		515	266	214	236	12	144	180	362	1120	3	STD	
70027		515	266	214	236	12	160	200	409	1280	4	STD	
70029		515	266	214	236	12	160	200	409	1280	3	STD	
71014		515	266	214	236	12	168	210	432	1320	4	STD	
71015		515	266	214	236	12	168	210	432	1320	3	STD	
72511		515	266	214	236	12	180	225	465	1350	4	STD	
72513	515	266	214	236	12	180	225	465	1350	3	STD		

BCI TYPE

LAYOUT, TERMINAL TYPE, HOLD DOWN



34	MF34-550	263	175	205	12	60	100	550	10	STD	B1
	MF34-600	263	175	205	12	66	110	600	10	STD	B1
	MF34-650	263	175	205	12	68	115	650	10	STD	B1
34R	MF34R-550	263	175	205	12	60	100	550	11	STD	B1
	MF34R-600	263	175	205	12	66	110	600	11	STD	B1
	MF34R-650	263	175	205	12	68	115	650	11	STD	B1
35	MF35-500	231	172	222	12	60	100	500	11	STD	B1
40R	MF40R-500	277	174	175	12	66	110	500	24	STD	B5
	MF40R-550	277	174	175	12	70	120	550	24	STD	B5
41	MF41-525	284	173	172	12	66	110	525	24	STD	
42	MF42-450	241	174	175	12	50	85	450	24	STD	B5
	MF42-480	241	174	175	12	55	95	480	24	STD	B5
43	MF43-650	315	173	190	12	70	120	650	24	STD	B5
47	MF47-480	241	174	188	12	50	80	480	24	STD	B5
	MF47-500	241	174	188	12	55	90	500	24	STD	B5
	MF47-550	241	174	188	12	60	100	550	24	STD	B5
47R	MF47R-480	241	174	188	12	50	80	480	24	STD	B5
	MF47R-500	241	174	188	12	55	90	500	24	STD	B5
	MF47R-550	241	174	188	12	60	100	550	24	STD	B5
48	MF48-600	277	174	188	12	66	110	600	24	STD	B5
	MF48-650	277	174	188	12	70	120	650	24	STD	B5
49	MF49-710	349	174	189	12	80	140	710	24	STD	B5
	MF49-750	349	174	189	12	85	150	750	24	STD	B5
	MF49-850	349	174	189	12	90	160	850	24	STD	B5
51	MF51-430	237	127	220	12	45	71	430	10	STD	
51R	MF51R-430	237	127	220	12	45	71	430	11	STD	
55	MF55-430	231	154	222	12	45	71	430	10	STD	
58	MF58-450	231	172	175	12	48	75	450	26	STD	
58R	MF58R-450	231	172	175	12	48	75	450	19	STD	
65	MF65-650	300	190	192	12	75	130	650	10	STD	B4
	MF65-750	300	190	192	12	88	155	750	10	STD	B4

BCI TYPE ①

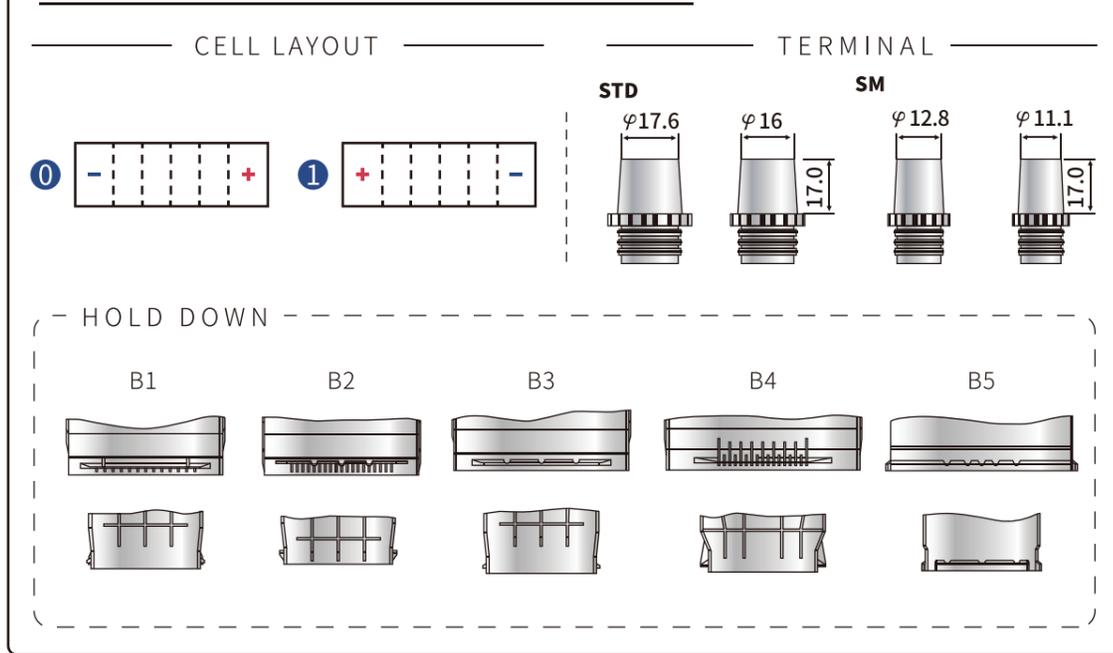
TYPE	Model	Dimension(mm)			Voltage (V)	Capacity(Ah) 20HR	RC (min)	CCA (-18°C)		Layout	Terminal	HOLD DOWN
		L	W	TH				SAE				
24	MF24-450	263	173	205	12	50	80	450	10	STD	B1	
	MF24-500	263	173	205	12	55	90	500	10	STD	B1	
	MF24-550	263	173	205	12	60	100	550	10	STD	B1	
	MF24-600	263	173	205	12	68	113	600	10	STD	B1	
	MF24-630	263	173	205	12	74	125	630	10	STD	B1	
24R	MF24R-450	263	173	205	12	50	80	450	11	STD	B1	
	MF24R-500	263	173	205	12	55	90	500	11	STD	B1	
	MF24R-550	263	173	205	12	60	100	550	11	STD	B1	
	MF24R-600	263	173	205	12	68	113	600	11	STD	B1	
	MF24R-630	263	173	205	12	74	125	630	11	STD	B1	
25	MF25-500	231	172	222	12	60	100	500	10	STD	B1	
26	MF26-450	208	172	197	12	50	80	450	10	STD		
	MF26-550	208	172	197	12	60	100	550	10	STD		
26R	MF26R-450	208	172	197	12	50	80	450	11	STD		
	MF26R-550	208	172	197	12	60	100	550	11	STD		
27	MF27-600	300	172	221	12	68	113	600	10	STD	B3	
	MF27-630	300	172	221	12	75	130	630	10	STD	B3	
	MF27-670	300	172	221	12	80	140	670	10	STD	B3	
	MF27-710	300	172	221	12	80	140	710	10	STD	B3	
	MF27-750	300	172	221	12	88	155	750	10	STD	B3	
27R	MF27R-600	300	172	221	12	68	113	600	11	STD	B3	
	MF27R-630	300	172	221	12	75	130	630	11	STD	B3	
	MF27R-670	300	172	221	12	80	140	670	11	STD	B3	
	MF27R-710	300	172	221	12	80	140	710	11	STD	B3	
	MF27R-750	300	172	221	12	88	155	750	11	STD	B3	
31	MF31-700	326	172	242	12	90	160	700	18	TM		
	MF31-750	326	172	242	12	95	170	750	18	TM		
	MF31-800	326	172	242	12	100	180	800	18	TM		

BCI TYPE ②

TYPE	Model	Dimension(mm)			Voltage (V)	Capacity(Ah) 20HR	RC (min)	CCA (-18°C)		Layout	Terminal	HOLD DOWN
		L	W	TH				SAE				
65R	MF65R-650	300	190	192	12	75	130	650	11	STD	B4	
	MF65R-750	300	190	192	12	88	155	750	11	STD	B4	
70	MF70-400	208	179	181	12	45	71	400	17	SIDE		
	MF70-450	208	179	181	12	50	80	450	17	SIDE		
	MF70-500	208	179	181	12	55	90	500	17	SIDE		
	MF70-550	208	179	181	12	60	100	550	17	SIDE		
74	MF74-500	260	173	222	12	60	100	500	17	SIDE		
	MF74-550	260	173	222	12	66	110	550	17	SIDE		
75	MF75-500	231	172	175	12	55	90	500	17	SIDE	B2	
	MF75-550	231	172	175	12	60	100	550	17	SIDE	B2	
	MF75-600	231	172	175	12	68	113	600	17	SIDE	B2	
	MF75-630	231	172	175	12	74	125	630	17	SIDE	B2	
78	MF78-550	263	181	185	12	60	100	550	17	SIDE	B1	
	MF78-610	263	181	185	12	62	105	610	17	SIDE	B1	
	MF78-630	263	181	185	12	68	115	630	17	SIDE	B1	
85	MF85-550	231	172	205	12	55	90	550	11	STD	B1	
	MF85-610	231	172	205	12	55	90	610	11	STD	B1	
86	MF86-550	231	172	205	12	55	90	550	10	STD	B1	
	MF86-610	231	172	205	12	55	90	610	10	STD	B1	
90	MF90-450	241	174	175	12	50	80	450	24	STD	B5	
91	MF91-600	277	174	175	12	60	100	600	24	STD	B5	
92	MF92-650	315	174	175	12	75	130	650	24	STD	B5	
93	MF93-800	349	174	175	12	85	150	800	24	STD	B5	
94R	MF94R-640	315	173	190	12	80	135	640	24	STD	B5	
4D	MF4D-1000	508	220	235	12	150	300	1000	8	STD		
	MF8D-1200	506	265	240	12	200	420	1200	8	STD		
8D	MF8D-1200	506	265	240	12	200	420	1200	8	STD		
	MF8D-1400	506	265	240	12	225	460	1400	8	STD		

EFB TYPE

LAYOUT, TERMINAL TYPE, HOLD DOWN



GOLF CART BATTERY

GOLF CART BATTERY

Voltage (V)	Amp-Hour Rate (Ah)		Capacity (min)		Dimension(mm)			Weight (kg)	
	5HR	3HR	@25Amp	@75Amp	L	W	H	Dry	Wet
6	180	150	460	115	258	181	291.5	23.5	30.5
8	180	150	450	115	259	183	340.5	30.0	38.8

Voltage (V)	Amp-Hour Rate (Ah)		Capacity (min)		Dimension(mm)			Weight (kg)	
	5HR	3HR	@25Amp	@75Amp	L	W	H	Dry	Wet
6	210	175	530	145	258	182	308	26.0	33.8
8	145	108	295	115	259	183	290.5	23.5	30.0

FEATURE

- The battery consists of high-performance paste plate, compound low resistance separators, high-impact resistant polypropylene plastic tank.
- Positive plates of lead-based alloy with multiple high-density lead paste processing, manufacturing, corrosion resistance, high-rate discharge capacity good durability.
- Negative plates with a special formulation and double Paste process, excellent low temperature discharge acceptance ability, anti-sulfate and an anti-off-performance.
- Tight assembly, through partition connectors discharge stable, safe and reliable.
- Adaptability to temperature, can be -40°C — 60°C under normal use.

EFB-TYPE (START-STOP BATTERY)

Model	Voltage (V)	Capacity(Ah) 20HR	Dimension(mm)				CCA (-18°C)	Layout	Terminal	HOLD DOWN
			L	W	H	TH				
EFB-K42/M42	12	36	195	128	198	219	440	0/1	SM	
EFB-N55	12	45	237	127	200	222	550	0/1	SM/STD	
EFB-B24S	12	45	237	127	200	222	535	0/1	SM/STD	
EFB-Q85	12	65	231	172	201	223	780	0/1	STD	B1
EFB-S95/S85	12	70	259	174	202	225	880	0/1	STD	B3
EFB-T115/T105	12	80	300	173	201	222	980	0/1	STD	B3
EFB-E41	12	100	406	171	205	227	1080	0/1	STD	
EFB-40 LB1	12	40	207	175	175	175	480	0/1	STD	B5
EFB-44 L1	12	44	207	175	190	190	580	0/1	STD	B5
EFB-50 LB2	12	50	239	173	174	174	780	0/1	STD	B5
EFB-62 L2	12	62	239	173	188	188	780	0/1	STD	B5
EFB-65 LB3	12	65	275	174	174	174	880	0/1	STD	B5
EFB-70 L3	12	70	271	174	185	185	880	0/1	STD	B5
EFB-80 L4	12	80	315	175	190	190	980	0/1	STD	B5
EFB-75 T7	12	75	315	175	175	175	1020	0/1	STD	B5
EFB-90 LB5	12	90	353	174	175	175	1050	0/1	STD	B5
EFB-100 L5	12	100	349	172	187	187	1050	0/1	STD	B5

HEALTH AND SAFETY

Precautions:

- Always handle batteries with care.
- Always store upright.
- Never over-fill with acid.
- Always charge in a well ventilated place.
- Always wear eye protection when handling batteries.
- Wear protective clothing if there is any risk of acid splashing.



DANGER

- Keep away from the fire when using. Hydrogen gas generated from battery may cause fire and explosion.
- This 12V battery is only for starting engines. Do not apply for other uses.
- Keep out of the reach of children or the personnel who do not understand the manual, it may cause blindness or severe burn.
- When using the battery, wear safety glasses and rubber gloves. Sulfuric acid may cause blindness or severe burn.

WARNING

- Replacement of battery shall be performed as per following order. If failed, it may cause fire and explosion. Remove cable from negative terminal first, connect cable to negative terminal last.
- When connecting cable to battery, make sure not to get a changed post of + and -. It may cause damage to electronic components or fire.
- When using the battery, handle it with care. Sulfuric acid may cause blindness or severe burn.

CAUTION

- When moving the battery, be careful not to drop the battery, which is heavy. Do not shake the handle on the battery in case of injury.
- Do not store the battery at places with high temperature and humidity or being exposed to rain, snow, direct sunlight.