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JAPANESE Vehicles Application (Conventional)

Battery Type		Amp-Hrs 20-Hr Rate	CCA/Amps @ -15°C	Reserve Capacity (hr)	Overall Dimension (millimeter)			Cell Layout	Dry Weight (kg)	Add Volume (L)	Hold- Down	Terminal Type
					L	W	CH					
26A19R	12N24-4	26	275	32	189 (181)	125 (121)	177	A1	6.7	2.0	P	T3
26A19L	12N24-3	26	275	32	186 (181)	125 (121)	177	A0	6.7	2.0	P	T3
32A19R	12N24-4Z	32	315	40	188 (181)	125 (121)	177	A1	6.6	1.9	P	T3
32A19L	12N24-3Z	32	315	40	186 (181)	125 (121)	177	A0	6.5	1.9	P	T3
34B19R/RS	34B19R/RS	33	320	35	185 (184)	125 (123)	224	A1	6.8	2.1	P	T1/T2
34B19L/LS	34B19L/LS	33	320	35	185 (184)	125 (123)	224	A0	6.8	2.1	P	T1/T2
34B19R/RS HD	34B19R/RS HD	33	320	35	185 (184)	125 (132)	224	A1	6.8	2.1	N5	T1/T2
34B19L/LS HD	34B19L/LS HD	33	320	35	185 (184)	125 (132)	224	A0	6.8	2.1	N5	T1/T2
38B19R/RS	38B19R/RS	35	350	43	185 (184)	125 (123)	224	A1	7.0	2.0	P	T1/T2
38B19L/LS	38B19L/LS	35	350	43	185 (184)	125 (123)	224	A0	7.0	2.0	P	T1/T2
38B19R/RS HD	38B19R/RS HD	35	350	43	185 (184)	125 (132)	224	A1	7.0	2.0	N5	T1/T2
38B19L/LS HD	38B19L/LS HD	35	350	43	185 (184)	125 (132)	224	A0	7.0	2.0	N5	T1/T2
36B20R/RS	NS40/S	35	330	40	195 (191)	128 (123)	222	A1	7.1	2.3	P	T1/T2
36B20L/LS	NS40/L/S	35	330	40	195 (191)	128 (123)	222	A0	7.1	2.3	P	T1/T2
44B20R/RS	NS40Z/Z/S	42	375	50	195 (191)	128 (123)	222	A1	8.5	2.1	P	T1/T2
44B20L/LS	NS40Z/L/Z/S	42	375	50	195 (191)	128 (123)	222	A0	8.5	2.1	P	T1/T2
32C24R	N40	40	335	45	235 (232)	128 (123)	222	A1	7.9	2.7	P	T1
32C24L	N40L	40	335	45	235 (232)	128 (123)	222	A0	7.9	2.7	P	T1
46B24R/RS	NS60/S	45	380	56	235 (232)	128 (123)	222	A1	8.8	2.6	P	T1/T2
46B24L/LS	NS60/L/S	45	380	56	235 (232)	128 (123)	222	A0	8.8	2.6	P	T1/T2
66B24R/RS	NS60Z/Z/S	48	420	64	235 (232)	128 (123)	222	A1	10.0	2.4	P	T1/T2
66B24L/LS	NS60Z/L/Z/S	48	420	64	235 (232)	128 (123)	222	A0	10.0	2.4	P	T1/T2
55D23R	55D23R	55	385	74	230 (235)	170 (172)	222	A1	9.3	4.3	N5	T1
55D23L	55D23L	55	385	74	230 (235)	170 (172)	222	A0	9.3	4.3	N5	T1
65D23R	65D23R	65	440	90	230 (235)	170 (172)	222	A1	10.7	4.0	N5	T1
65D23L	65D23L	65	440	90	230 (235)	170 (172)	222	A0	10.7	4.0	N5	T1
70D23R	70D23R	68	500	92	230 (235)	170 (172)	222	A1	12.1	3.8	N5	T1
70D23L	70D23L	68	500	92	230 (235)	170 (172)	222	A0	12.1	3.8	N5	T1
48D26R	N50	50	385	72	260 (254)	170 (166)	222	A1	10.1	4.2	P	T1
48D26L	N50L	50	385	72	260 (254)	170 (166)	222	A0	10.1	4.2	P	T1
48D26R HD	N50 HD	50	385	72	260 (265)	170 (167)	222	A1	10.1	4.2	N3	T1
48D26L HD	N50L HD	50	385	72	260 (265)	170 (167)	222	A0	10.1	4.2	N3	T1
55D26R	N50Z	60	440	82	260 (254)	170 (166)	222	A1	11.6	4.0	P	T1
55D26L	N50ZL	60	440	82	260 (254)	170 (166)	222	A0	11.6	4.0	P	T1
55D26R HD	N50Z HD	60	440	82	260 (265)	170 (167)	222	A1	11.6	4.0	N3	T1
55D26L HD	N50ZL HD	60	440	82	260 (265)	170 (167)	222	A0	11.6	4.0	N3	T1
65D26R	NS70	65	500	89	260 (254)	170 (166)	222	A1	13.4	3.8	P	T1
65D26L	NS70L	65	500	89	260 (254)	170 (166)	222	A0	13.4	3.8	P	T1
65D26R HD	NS70 HD	65	500	89	260 (265)	170 (167)	222	A1	13.4	3.8	N3	T1
65D26L HD	NS70L HD	65	500	89	260 (265)	170 (167)	222	A0	13.4	3.8	N3	T1
80D26R	NX110-5	70	560	103	260 (254)	170 (166)	222	A1	15.8	3.5	P	T1
80D26L	NX110-5L	70	560	103	260 (254)	170 (166)	222	A0	15.8	3.5	P	T1
80D26R HD	NX110-5 HD	70	560	103	260 (265)	170 (167)	222	A1	15.8	3.5	N3	T1
80D26L HD	NX110-5L HD	70	560	103	260 (265)	170 (167)	222	A0	15.8	3.5	N3	T1
70D31R	N70	70	510	97	303 (301)	172 (169)	225	A1	13.2	4.6	P	T1
70D31L	N70L	70	510	97	303 (301)	172 (169)	225	A0	13.2	4.6	P	T1
70D31R HD	N70 HD	70	510	97	303 (301)	172 (175)	225	A1	13.2	4.6	N5	T1
70D31L HD	N70L HD	70	510	97	303 (301)	172 (175)	225	A0	13.2	4.6	N5	T1
75D31R	N70Z	75	570	116	303 (301)	172 (169)	225	A1	15.5	4.3	P	T1
75D31L	N70ZL	75	570	116	303 (301)	172 (169)	225	A0	15.5	4.3	P	T1
75D31R HD	N70Z HD	75	570	116	303 (301)	172 (175)	225	A1	15.5	4.3	N5	T1
75D31L HD	N70ZL HD	75	570	116	303 (301)	172 (175)	225	A0	15.5	4.3	N5	T1
95D31R	NX120-7	80	610	125	303 (301)	172 (169)	225	A1	17.0	4.0	P	T1
95D31L	NX120-7L	80	610	125	303 (301)	172 (169)	225	A0	17.0	4.0	P	T1
95D31R HD	NX120-7 HD	80	610	125	303 (301)	172 (175)	225	A1	17.0	4.0	N5	T1
95D31L HD	NX120-7L HD	80	610	125	303 (301)	172 (175)	225	A0	17.0	4.0	N5	T1
105D31R	NX120-7Z	85	660	132	303 (301)	172 (169)	225	A1	18.0	3.9	P	T1
105D31L	NX120-7ZL	85	660	132	303 (301)	172 (169)	225	A0	18.0	3.9	P	T1
105D31R HD	NX120-7Z HD	85	660	132	303 (301)	172 (175)	225	A1	18.0	3.9	N5	T1
105D31L HD	NX120-7ZL HD	85	660	132	303 (301)	172 (175)	225	A0	18.0	3.9	N5	T1
85E41R	N100A	85	570	130	408 (381)	174 (172)	232	A1	17.2	5.2	P	T1
85E41L	N100AL	85	570	130	408 (381)	174 (172)	232	A0	17.2	5.2	P	T1
95E41R	N100	100	615	150	408 (381)	174 (172)	232	A1	19.0	5.0	P	T1
95E41L	N100L	100	615	150	408 (381)	174 (172)	232	A0	19.0	5.0	P	T1
105E41R	N100Z	105	670	160	408 (381)	174 (172)	232	A1	20.7	4.8	P	T1
105E41L	N100ZL	105	670	160	408 (381)	174 (172)	232	A0	20.7	4.8	P	T1
110F51R	N120A	110	690	162	511 (475)	181 (179)	237	A4	18.6	8.5	P	T1
110F51L	N120AL	110	690	162	511 (475)	181 (179)	237	A3	18.6	8.5	P	T1
115F51R	N120	120	725	180	511 (475)	181 (179)	237	A4	21.7	7.9	P	T1
115F51L	N120L	120	725	180	511 (475)	181 (179)	237	A3	21.7	7.9	P	T1
130F51R	N135	130	780	190	511 (475)	181 (179)	237	A4	23.0	7.5	P	T1
130F51L	N135L	130	780	190	511 (475)	181 (179)	237	A3	23.0	7.5	P	T1
135G61R	N150A	135	810	200	511 (475)	211 (209)	237	A4	22.5	9.5	P	T1
135G61L	N150AL	135	810	200	511 (475)	211 (209)	237	A3	22.5	9.5	P	T1
145G61R	N150	150	835	240	511 (475)	211 (209)	237	A4	25.8	9.0	P	T1
145G61L	N150L	150	835	240	511 (475)	211 (209)	237	A3	25.8	9.0	P	T1
165G61R	N170	170	900	300	511 (475)	211 (209)	237	A4	28.9	8.6	P	T1
165G61L	N170L	170	900	300	511 (475)	211 (209)	237	A3	28.9	8.6	P	T1
190H52R	N200	200	950	370	516 (486)	273 (260)	245	A4	29.5	14.7	P	T1
190H52L	N200L	200	950	370	516 (486)	273 (260)	245	A3	29.5	14.7	P	T1
210H52R	N200Z	215	1010	380	516 (486)	273 (260)	245	A4	31.0	14.3	P	T1
210H52L	N200ZL	215	1010	380	516 (486)	273 (260)	245	A3	31.0	14.3	P	T1
245H52R	N200ZZ	225	1070	405	516 (486)	273 (260)	245	A4	33.0	14.0	P	T1
245H52L	N200ZZL	225	1070	405	516 (486)	273 (260)	245	A3	33.0	14.0	P	T1

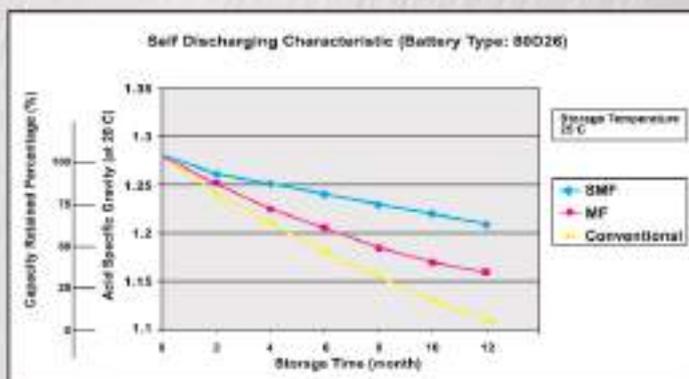
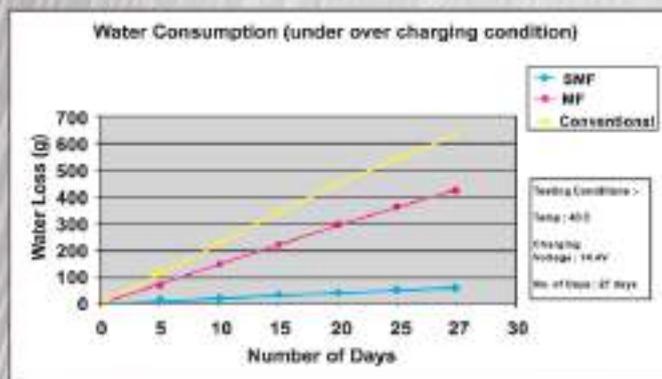
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EUROPEAN Vehicles Application (Conventional)

Battery Type		Amp-Hrs 20-hr Rate	CCA Amps @ -15°C	Reserve Capacity (min)	Overall Dimension (millimeter)			Cell Layout	Dry Weight (kg)	Add'l Volume (L)	Hold-Down	Terminal Type
					L	W	CH					
53624	DIN 36	36	310	55	208 (205)	175 (175)	175	A0	7.5	3.2	B3/B15	T1
53638	DIN 36R	36	310	55	208 (205)	175 (175)	175	A1	7.5	3.2	B3/B15	T1
54324	DIN 43	43	365	55	208 (205)	175 (175)	175	A0	9.3	3.0	B3/B15	T1
54434	DIN 44	44	380	55	208 (205)	175 (175)	190	A0	9.5	3.3	B3/B15	T1
54449	DIN 44R	44	380	55	208 (205)	175 (175)	190	A1	9.5	3.3	B3/B15	T1
54519	DIN 45	45	365	56	240 (242)	175 (175)	175	A0	9.8	3.1	B3/B15	T1
54533	DIN 45R	45	365	56	240 (242)	175 (175)	175	A1	9.8	3.1	B3/B15	T1
55040	DIN 50	50	420	62	240 (242)	175 (175)	190	A0	10.0	3.1	B3/B15	T1
55421	DIN 54	54	435	68	240 (242)	175 (175)	175	A0	10.8	3.1	B3/B15	T1
55422	DIN 54R	54	435	68	240 (242)	175 (175)	175	A1	10.8	3.1	B3/B15	T1
55530	DIN 55	55	425	69	240 (242)	175 (175)	190	A0	11.0	3.4	B1/B4	T1
55548	DIN 55R	55	425	69	240 (242)	175 (175)	190	A1	11.0	3.4	B1/B4	T1
58030	DIN 60	60	440	76	240 (242)	175 (175)	190	A0	11.5	3.1	B1/B4	T1
58031	DIN 60R	60	440	75	240 (242)	175 (175)	190	A1	11.5	3.1	B1/B4	T1
58318	DIN 63	63	465	79	277 (277)	175 (175)	175	A0	11.5	3.7	B3/B15	T1
58618	DIN 66	66	500	82	277 (277)	175 (175)	190	A0	12.6	4.1	B1/B4	T1
57113	DIN 72	72	520	90	277 (277)	175 (175)	175	A0	13.0	3.6	B3/B15	T1
57412	DIN 74	74	550	92	277 (277)	175 (175)	190	A0	13.1	3.3	B1/B4	T1
57539	DIN 75	75	560	94	312 (300)	175 (175)	175	A0	13.4	4.0	B3/B15	T1
58515	DIN 85	85	580	106	351 (352)	175 (175)	175	A0	14.9	5.9	B3/B15	T1
58827	DIN 88	88	610	110	351 (352)	175 (175)	190	A0	16.7	6.0	B1/B4	T1
58828	DIN 88R	88	610	110	351 (352)	175 (175)	190	A1	16.7	6.0	B1/B4	T1
60038	DIN 100	100	660	125	351 (352)	175 (175)	190	A0	17.0	5.5	B1/B4	T1
81017	DIN A-21	110	720	137	512 (473)	190 (175)	218	A3	20.9	8.0	P	T1
81018	DIN A-21R	110	720	137	512 (473)	190 (175)	218	A4	20.9	8.0	P	T1
82034	DIN A-23	120	785	150	512 (473)	190 (175)	218	A3	22.5	7.7	P	T1
82035	DIN A-23R	120	785	150	512 (473)	190 (175)	218	A4	22.5	7.7	P	T1
83530	DIN A-25	135	830	169	512 (473)	190 (175)	218	A3	24.2	7.4	P	T1
83531	DIN A-25R	135	830	169	512 (473)	190 (175)	218	A4	24.2	7.4	P	T1
84317	DIN B-25	145	860	181	512 (473)	223 (208)	218	A3	24.6	9.3	P	T1
84318	DIN B-25R	145	860	181	512 (473)	223 (208)	218	A4	24.6	9.3	P	T1
86514	DIN B-27	160	890	200	512 (473)	223 (208)	218	A3	26.3	9.0	P	T1
86515	DIN B-27R	160	890	200	512 (473)	223 (208)	218	A4	26.3	9.0	P	T1
87018	DIN B-28	170	920	212	512 (473)	223 (208)	218	A3	27.9	8.9	P	T1
87019	DIN B-28R	170	920	212	512 (473)	223 (208)	218	A4	27.9	8.9	P	T1
89021	DIN C-29	180	950	225	518 (473)	273 (263)	241	A3	29.6	15.2	P	T1
70027	DIN C-31	200	990	250	518 (473)	273 (263)	241	A4	31.2	14.9	P	T1
73011	DIN C-33	230	1060	288	518 (473)	273 (263)	241	A3	32.9	14.5	P	T1
73010	DIN C-33R	230	1060	288	518 (473)	273 (263)	241	A4	32.9	14.5	P	T1

OCEANIC Vehicles Application (Conventional)

Battery Type		Amp-Hrs 20-hr Rate	CCA Amps @ -15°C	Reserve Capacity (min)	Overall Dimension (millimeter)			Cell Layout	Dry Weight (kg)	Add'l Volume (L)	Hold-Down	Terminal Type
					L	W	CH					
N85	N46	45	320	56	229 (231)	171 (171)	210	A1	7.6	3.7	N1	T1
N85L	N47	45	320	56	229 (231)	171 (171)	215	A0	7.6	3.7	N1	T5
N85Z	N48	50	385	62	229 (231)	171 (171)	210	A1	8.9	3.6	N1	T1
N85ZL	N49	50	385	62	229 (231)	171 (171)	215	A0	8.9	3.6	N1	T5
N85ZZ	N50	56	440	72	229 (231)	171 (171)	210	A1	10.2	3.5	N1	T1
N85ZZL	N51	58	440	72	229 (231)	171 (171)	215	A0	10.2	3.5	N1	T5
N85ZZX	N50MZ	65	500	82	229 (231)	171 (171)	210	A1	12.0	3.3	N1	T1
N85ZZXL	N51Z	85	500	82	229 (231)	171 (171)	215	A0	12.0	3.3	N1	T5
N85ZZ-EF	N50EF	58	420	72	227 (219)	170 (159)	202	A1	9.8	3.4	N2	T1
N85ZZ-EB	N51EB	58	420	72	227 (219)	170 (159)	198	A0	9.8	3.4	N2	T5
CV15	CV15	85	585	106	342 (340)	171 (168)	231	A1	17.0	7.1	P	T1
CV15L	CV15L	85	585	106	342 (340)	171 (168)	231	A0	17.0	7.1	P	T1
CV17	CV17	98	655	122	342 (340)	171 (168)	231	A1	18.7	6.9	P	T1
CV17L	CV17L	98	655	122	342 (340)	171 (168)	231	A0	18.7	6.9	P	T1
CV19	CV19	110	720	138	342 (340)	171 (168)	231	A1	20.6	6.7	P	T1
CV19L	CV19L	110	720	138	342 (340)	171 (168)	231	A0	20.6	6.7	P	T1



JAPANESE Vehicles Application (Sealed Maintenance Free)

Battery Type		Amp/hrs 20-Hr Rate	CCA Amps @ -18°C	Reserve Capacity (min)	Overall Dimension (millimeter)			Cell Layout	Dry Weight (kg)	Acid Volume (L)	Hold- Down	Terminal Type
					L	W	OH					
SMF 34B19R/RS	SMF 34B19R/RS	33	345	35	186 (184)	125 (123)	224	A1	6.6	2.1	P	T1/T2
SMF 34B19L/LS	SMF 34B19L/LS	33	345	35	186 (184)	125 (123)	224	A0	6.8	2.1	P	T1/T2
SMF 34B19R/RS HD	SMF 34B19R/RS HD	33	345	35	186 (184)	125 (132)	224	A1	6.8	2.1	N5	T1/T2
SMF 34B19L/LS HD	SMF 34B19L/LS HD	33	345	35	186 (184)	125 (132)	224	A0	6.8	2.1	N5	T1/T2
SMF 38B19R/RS	SMF 38B19R/RS	35	385	43	186 (184)	125 (123)	224	A1	7.0	2.0	P	T1/T2
SMF 38B19L/LS	SMF 38B19L/LS	35	385	43	186 (184)	125 (123)	224	A0	7.0	2.0	P	T1/T2
SMF 38B19R/RS HD	SMF 38B19R/RS HD	35	385	43	186 (184)	125 (132)	224	A1	7.0	2.0	N5	T1/T2
SMF 38B19L/LS HD	SMF 38B19L/LS HD	35	385	43	186 (184)	125 (132)	224	A0	7.0	2.0	N5	T1/T2
SMF 36B20R/RS	SMF NS40/S	35	360	40	196 (191)	128 (123)	222	A1	7.1	2.3	P	T1/T2
SMF 36B20L/LS	SMF NS40/L/S	35	360	40	196 (191)	128 (123)	222	A0	7.1	2.3	P	T1/T2
SMF 44B20R/RS	SMF NS40Z/2S	42	405	50	196 (191)	128 (123)	222	A1	8.5	2.1	P	T1/T2
SMF 44B20L/LS	SMF NS40ZL/2LS	42	405	50	196 (191)	128 (123)	222	A0	8.5	2.1	P	T1/T2
SMF 32C24RS	SMF N40	40	365	45	236 (232)	128 (123)	222	A1	7.9	2.7	P	T1
SMF 32C24LS	SMF N40L	40	365	45	236 (232)	128 (123)	222	A0	7.9	2.7	P	T1
SMF 46B24R/RS	SMF NS60/S	45	410	56	236 (232)	128 (123)	222	A1	8.8	2.6	P	T1/T2
SMF 46B24L/LS	SMF NS60/L/S	45	410	56	236 (232)	128 (123)	222	A0	8.8	2.6	P	T1/T2
SMF 55B24R/RS	SMF NS60Z/2S	48	450	64	236 (232)	128 (123)	222	A1	10.0	2.4	P	T1/T2
SMF 55B24L/LS	SMF NS60ZL/2LS	48	450	64	236 (232)	128 (123)	222	A0	10.0	2.4	P	T1/T2
SMF 55D23R	SMF 55D23R	55	415	74	230 (235)	170 (172)	222	A1	9.3	4.3	N5	T1
SMF 55D23L	SMF 55D23L	55	415	74	230 (235)	170 (172)	222	A0	9.3	4.3	N5	T1
SMF 65D23R	SMF 65D23R	65	480	90	230 (235)	170 (172)	222	A1	10.7	4.0	N5	T1
SMF 65D23L	SMF 65D23L	65	480	90	230 (235)	170 (172)	222	A0	10.7	4.0	N5	T1
SMF 70D23R	SMF 70D23R	68	540	96	230 (235)	170 (172)	222	A1	12.1	3.8	N5	T1
SMF 70D23L	SMF 70D23L	68	540	96	230 (235)	170 (172)	222	A0	12.1	3.8	N5	T1
SMF 48D26R	SMF N60	50	415	72	260 (254)	170 (166)	222	A1	10.1	4.2	P	T1
SMF 48D26L	SMF N50L	50	415	72	260 (254)	170 (166)	222	A0	10.1	4.2	P	T1
SMF 48D26R HD	SMF N60 HD	50	415	72	260 (265)	170 (167)	222	A1	10.1	4.2	N3	T1
SMF 48D26L HD	SMF N50L HD	50	415	72	260 (265)	170 (167)	222	A0	10.1	4.2	N3	T1
SMF 55D26R	SMF N60Z	60	480	82	260 (254)	170 (166)	222	A1	11.6	4.0	P	T1
SMF 55D26L	SMF N50ZL	60	480	82	260 (254)	170 (166)	222	A0	11.6	4.0	P	T1
SMF 55D26R HD	SMF N60Z HD	60	480	82	260 (265)	170 (167)	222	A1	11.6	4.0	N3	T1
SMF 55D26L HD	SMF N50ZL HD	60	480	82	260 (265)	170 (167)	222	A0	11.6	4.0	N3	T1
SMF 65D26R	SMF NS70	65	540	89	260 (254)	170 (166)	222	A1	13.4	3.8	P	T1
SMF 65D26L	SMF NS70L	65	540	89	260 (254)	170 (166)	222	A0	13.4	3.8	P	T1
SMF 65D26R HD	SMF NS70 HD	65	540	89	260 (265)	170 (167)	222	A1	13.4	3.8	N3	T1
SMF 65D26L HD	SMF NS70L HD	65	540	89	260 (265)	170 (167)	222	A0	13.4	3.8	N3	T1
SMF 80D26R	SMF NX110-5	70	600	103	260 (254)	170 (166)	222	A1	15.8	3.5	P	T1
SMF 80D26L	SMF NX110-5L	70	600	103	260 (254)	170 (166)	222	A0	15.8	3.5	P	T1
SMF 80D26R HD	SMF NX110-5 HD	70	600	103	260 (265)	170 (167)	222	A1	15.8	3.5	N3	T1
SMF 80D26L HD	SMF NX110-5L HD	70	600	103	260 (265)	170 (167)	222	A0	15.8	3.5	N3	T1
SMF 70D31R	SMF N70	70	550	97	303 (301)	172 (169)	225	A1	13.2	4.6	P	T1/T4
SMF 70D31L	SMF N70L	70	550	97	303 (301)	172 (169)	225	A0	13.2	4.6	P	T1/T4
SMF 70D31R HD	SMF N70 HD	70	550	97	303 (301)	172 (175)	225	A1	13.2	4.6	N5	T1/T4
SMF 70D31L HD	SMF N70L HD	70	550	97	303 (301)	172 (175)	225	A0	13.2	4.6	N5	T1/T4
SMF 75D31R	SMF N70Z	75	615	116	303 (301)	172 (169)	225	A1	15.5	4.3	P	T1/T4
SMF 75D31L	SMF N70ZL	75	615	116	303 (301)	172 (169)	225	A0	15.5	4.3	P	T1/T4
SMF 75D31R HD	SMF N70Z HD	75	615	116	303 (301)	172 (175)	225	A1	15.5	4.3	N5	T1/T4
SMF 75D31L HD	SMF N70ZL HD	75	615	116	303 (301)	172 (175)	225	A0	15.5	4.3	N5	T1/T4
SMF 95D31R	SMF NX120-7	80	660	125	303 (301)	172 (169)	225	A1	17.0	4.0	P	T1/T4
SMF 95D31L	SMF NX120-7L	80	660	125	303 (301)	172 (169)	225	A0	17.0	4.0	P	T1/T4
SMF 95D31R HD	SMF NX120-7 HD	80	660	125	303 (301)	172 (175)	225	A1	17.0	4.0	N5	T1/T4
SMF 95D31L HD	SMF NX120-7L HD	80	660	125	303 (301)	172 (175)	225	A0	17.0	4.0	N5	T1/T4
SMF 105D31R	SMF NX120-7Z	85	710	132	303 (301)	172 (169)	225	A1	18.0	3.9	P	T1/T4
SMF 105D31L	SMF NX120-7ZL	85	710	132	303 (301)	172 (169)	225	A0	18.0	3.9	P	T1/T4
SMF 105D31R HD	SMF NX120-7Z HD	85	710	132	303 (301)	172 (175)	225	A1	18.0	3.9	N5	T1/T4
SMF 105D31L HD	SMF NX120-7ZL HD	85	710	132	303 (301)	172 (175)	225	A0	18.0	3.9	N5	T1/T4

OCEANIC Vehicles Application (Sealed Maintenance Free)

Battery Type		Amp/hrs 20-Hr Rate	CCA Amps @ -18°C	Reserve Capacity (min)	Overall Dimension (millimeter)			Cell Layout	Dry Weight (kg)	Acid Volume (L)	Hold- Down	Terminal Type
					L	W	OH					
SMF N65	SMF N46	45	355	56	229 (231)	171 (171)	210	A1	7.5	3.7	N1	T1
SMF N66L	SMF N47	45	355	56	229 (231)	171 (171)	215	A0	7.5	3.7	N1	T5
SMF N65Z	SMF N48	50	415	62	229 (231)	171 (171)	210	A1	8.9	3.6	N1	T1
SMF N65ZL	SMF N49	50	415	62	229 (231)	171 (171)	215	A0	8.9	3.6	N1	T5
SMF N65ZZ	SMF N50	58	480	72	229 (231)	171 (171)	210	A1	10.2	3.5	N1	T1
SMF N65ZZL	SMF N51	58	480	72	229 (231)	171 (171)	215	A0	10.2	3.5	N1	T5
SMF N65ZZX	SMF NS0M2	65	540	82	229 (231)	171 (171)	210	A1	12.0	3.3	N1	T1
SMF N65ZZXL	SMF N51Z	65	540	82	229 (231)	171 (171)	215	A0	12.0	3.3	N1	T5
SMF N65ZZ-ET	SMF NS0EJ	58	450	72	227 (219)	170 (169)	202	A1	9.8	3.4	N2	T1
SMF N65ZZ-EB	SMF N51EB	58	450	72	227 (219)	170 (169)	198	A0	9.8	3.4	N2	T5
SMF CV15	SMF CV15	85	635	106	342 (340)	171 (168)	231	A1	17.0	7.1	P	T1
SMF CV15L	SMF CV15L	85	635	106	342 (340)	171 (168)	231	A0	17.0	7.1	P	T1
SMF CV17	SMF CV17	98	715	122	342 (340)	171 (168)	231	A1	18.7	6.9	P	T1
SMF CV17L	SMF CV17L	98	715	122	342 (340)	171 (168)	231	A0	18.7	6.9	P	T1
SMF CV19	SMF CV19	110	770	138	342 (340)	171 (168)	231	A1	20.6	6.7	P	T1
SMF CV19L	SMF CV19L	110	770	138	342 (340)	171 (168)	231	A0	20.6	6.7	P	T1

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EUROPEAN Vehicles Application (Sealed Maintenance Free)

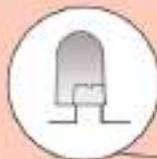
Battery Type		Amp/Hrs 20HrRate	CCA Range @ -18°C	Reserve Capacity (min)	Overall Dimension (millimeter)			Cell Layout	Dry Weight (kg)	Add Volume (L)	Hold-Down	Terminal Type
					L	W	OH					
SMF 53624	SMF DIN 36	36	340	45	208 (205)	175 (175)	175	A0	7.5	3.2	B3/B15	T1
SMF 53638	SMF DIN 36R	36	340	45	208 (205)	175 (175)	175	A1	7.5	3.2	B3/B15	T1
SMF 54324	SMF DIN 43	43	395	55	208 (205)	175 (175)	175	A0	8.3	3.0	B3/B15	T1
SMF 54434	SMF DIN 44	44	420	55	208 (205)	175 (175)	190	A0	9.5	3.3	B3/B15	T1
SMF 54449	SMF DIN 44R	44	420	55	208 (205)	175 (175)	190	A1	9.5	3.3	B3/B15	T1
SMF 54519	SMF DIN 45	45	395	56	240 (242)	175 (175)	175	A0	9.5	3.1	B3/B15	T1
SMF 54533	SMF DIN 45R	45	395	56	240 (242)	175 (175)	175	A1	9.5	3.1	B3/B15	T1
SMF 55040	SMF DIN 50	50	455	62	240 (242)	175 (175)	190	A0	10.0	3.1	B3/B15	T1
SMF 55421	SMF DIN 54	54	475	68	240 (242)	175 (175)	175	A0	10.8	3.1	B3/B15	T1
SMF 55422	SMF DIN 54R	54	475	68	240 (242)	175 (175)	175	A1	10.8	3.1	B3/B15	T1
SMF 55530	SMF DIN 55	55	460	69	240 (242)	175 (175)	190	A0	11.0	3.4	B1/B4	T1
SMF 55548	SMF DIN 55R	55	460	69	240 (242)	175 (175)	190	A1	11.0	3.4	B1/B4	T1
SMF 56030	SMF DIN 60	60	480	75	240 (242)	175 (175)	190	A0	11.5	3.1	B1/B4	T1
SMF 56031	SMF DIN 60R	60	480	75	240 (242)	175 (175)	190	A1	11.5	3.1	B1/B4	T1
SMF 56318	SMF DIN 63	63	500	79	277 (277)	175 (175)	175	A0	11.5	3.7	B3/B15	T1
SMF 56518	SMF DIN 66	66	540	82	277 (277)	175 (175)	190	A0	12.6	4.1	B1/B4	T1
SMF 57113	SMF DIN 72	72	560	90	277 (277)	175 (175)	175	A0	13.0	3.8	B3/B15	T1
SMF 57412	SMF DIN 74	74	590	92	277 (277)	175 (175)	190	A0	13.1	3.3	B1/B4	T1
SMF 57539	SMF DIN 75	75	565	94	312 (300)	175 (175)	175	A0	13.4	4.0	B3/B15	T1
SMF 58515	SMF DIN 85	85	620	106	351 (352)	175 (175)	175	A0	14.9	5.9	B3/B15	T1
SMF 58827	SMF DIN 88	88	660	110	351 (352)	175 (175)	190	A0	16.7	6.0	B1/B4	T1
SMF 58828	SMF DIN 88R	88	660	110	351 (352)	175 (175)	190	A1	16.7	6.0	B1/B4	T1
SMF 60038	SMF DIN100	100	710	125	351 (352)	175 (175)	190	A0	17.0	5.5	B1/B4	T1

Deep Cycle, Recreational, Marine & Special Application

Battery Type	Amp/Hrs 20HrRate	Overall Dimension (millimeter)			Cell Layout	Dry Weight (kg)	Add Volume (L)	Hold-Down	Terminal Type
		L	W	OH					
DC48 / 49	55	229 (231)	171 (171)	210	A1 / A0	13.0	3.4	P/N1	T1
DC52 / 53	65	260 (265)	170 (167)	222	A1 / A0	16.0	3.8	P/N3	T1
DC70Z / ZL	85	303 (301)	171 (168)	224	A1 / A0	19.5	4.5	F	T1
DC80 / 89	95	342 (340)	171 (168)	231	A1 / A0	20.8	7.0	F	T1
DC100Z / ZL	110	405 (381)	174 (172)	232	A1 / A0	25.9	5.0	F	T1
DC120Z / ZL	130	511 (475)	161 (179)	237	A4 / A3	28.5	6.0	F	T1
DC135Z / ZL	140	511 (475)	161 (179)	237	A4 / A3	31.0	7.5	F	T1
DC150Z / ZL	155	511 (475)	211 (209)	237	A4 / A3	33.0	9.0	F	T1
DC170Z / ZL	170	511 (475)	211 (209)	237	A4 / A3	36.0	8.5	F	T1
DC200Z / ZL	220	516 (486)	273 (260)	245	A4 / A3	40.0	14.4	F	T1
DC240Z / ZL	235	516 (486)	273 (260)	245	A4 / A3	48.0	14.0	F	T1
M65C26R/L	65	260 (254)	170 (166)	222	A1 / A0	13.8	3.8	F	T1
M80C26R/L	70	260 (254)	170 (166)	222	A1 / A0	16.0	3.5	F	T1
M85C31R/L	80	303 (301)	172 (169)	225	A1 / A0	17.2	4.0	F	T1
M105C31R/L	85	303 (301)	172 (169)	225	A1 / A0	18.2	3.9	F	T1
GOLF CART									
GC 6-220	215	261 (257)	180 (177)	274	A5	23.8	6.7	F	T6
GC 8-245	245	261 (257)	180 (177)	274	A5	27.0	6.3	F	T6
GC 8-160	160	261 (257)	180 (177)	274	A6	24.0	6.5	F	T6
GC 12-135	135	332 (325)	195 (176)	281	A1	31.2	7.0	F	T6
STORAGE BATTERY									
TSB-12	110	285	274	215	A7	24.0	5.0	F	T7
MILITARY									
BTN-105	105	205	274	227	A7	18.0	5.2	F	T1
BTN-125	125	285	274	227	A7	24.0	5.0	F	T1

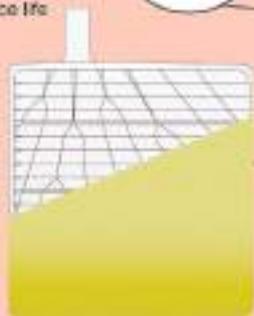
Advanced center lug cast on strap technology

- High resistance against outside impact and vibration
- Reliable starting power
- Increase stability of plates
- Long lasting service life



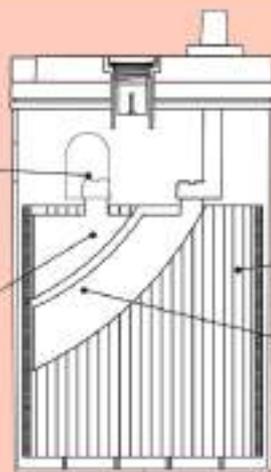
Positive radiant cut design grid

- Enforced grid structure to prevent corrosion
- Improve cranking performance
- Reduce internal resistance



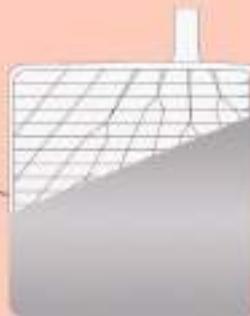
High performance PE separator

- Low resistance
- Increase cranking performance
- Improve durability



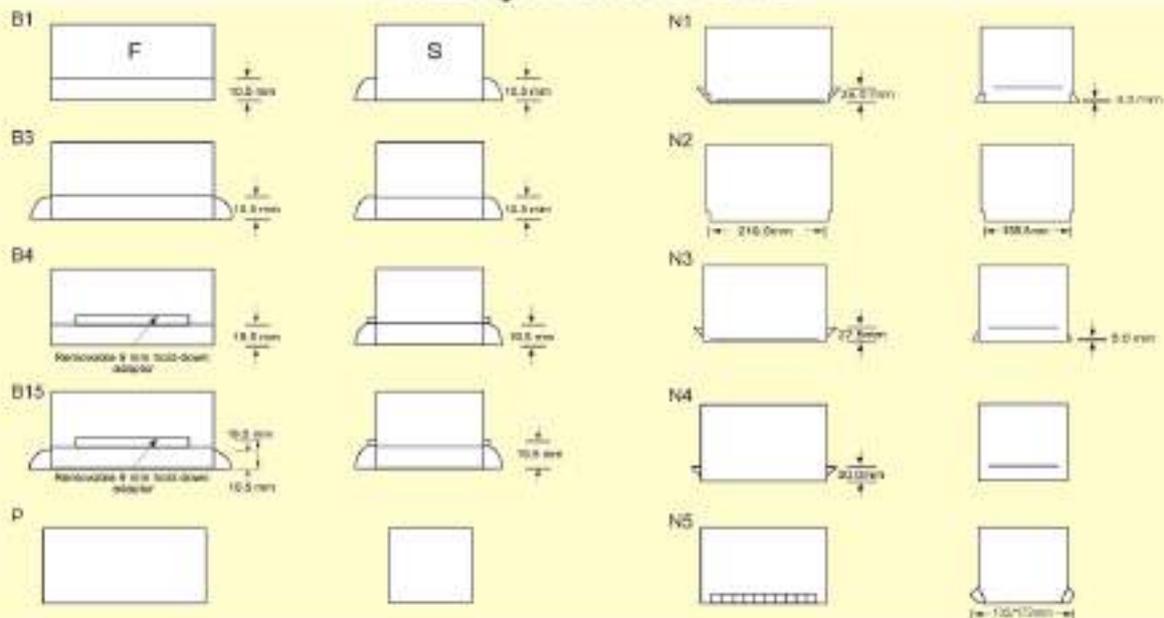
Negative radiant cut design grid

- Improve cranking performance
- Reduce internal resistance

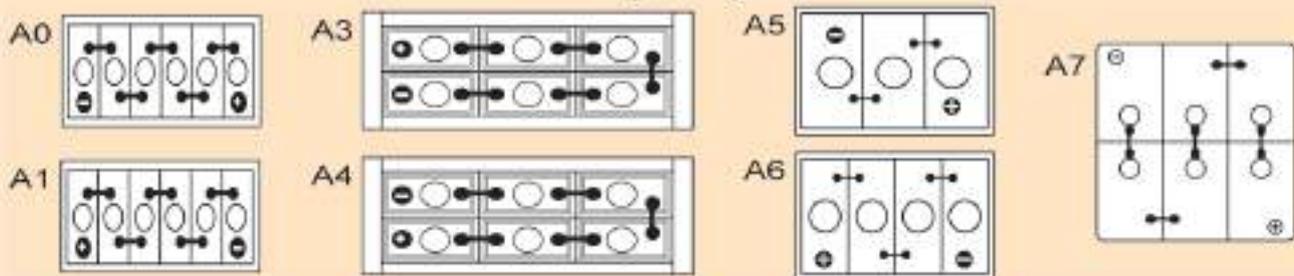


Hold-Down Arrangements & Features

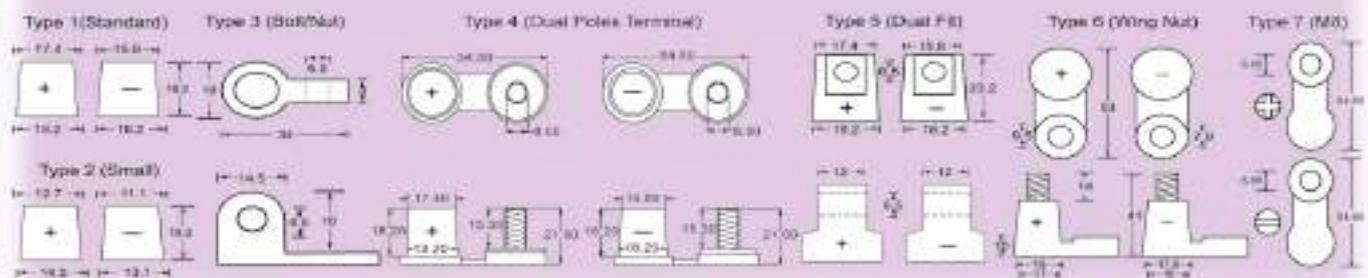
Battery Hold-Down



Battery Layout



Battery Terminal



Remarks:- * () measurement of box base (including Hold-Down where applicable).
 ^ HD – Batteries with Hold-Down.

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