

Quantum

B A T T E R Y



The Power is Mine

01. PREMIUM BATTERY



NO	GROUP NO	BATTERY TYPE		CAPACITY		CCA	RC (@25 A)	DIMENSION (mm)				LAY OUT	TERMINAL TYPE	BATTERY QTY PER PALLET	
		OLD JIS	NEW JIS	5Hr (AH)	20Hr (AH)			L	W	H	TH			S	L
1	B20	NS40	32B20	26	32	243	36	197	129	203	227	1	B	135	180
2		NS40L	32B20L	26	32	243	36	197	129	203	227	2	B		
3		NS40(s)	32B20S	26	32	243	36	197	129	203	227	1	A		
4		NS40L(S)	32B20LS	26	32	243	36	197	129	203	227	2	A		
5		NS40Z	36B20	28	35	288	39	197	129	203	227	1	B	135	180
6		NS40ZL	36B20L	28	35	288	39	197	129	203	227	2	B		
7		NS40Z(S)	36B20S	28	35	288	39	197	129	203	227	1	A		
8		NS40ZL(S)	36B20LS	28	35	288	39	197	129	203	227	2	A		
9	B24	NS60	46B24	36	45	341	56	238	129	203	227	1	B	108	144
10		NS60L	46B24L	36	45	341	56	238	129	203	227	2	B		
11		NS60S	46B24S	36	45	341	56	238	129	203	227	1	A		
12		NS60LS	46B24	36	45	341	56	238	129	203	227	2	A		
13	C24	N40	32C24	32	40	249	40	238	129	203	227	1	A	108	144
14		N40L	32C24/L	32	40	249	40	238	129	203	227	2	A		
15	D23	55D23	55D23	48	60	373	74	232	173	204	225	1	A	78	104
16		55D23L	55D23L	48	60	373	74	232	173	204	225	2	A		
17	D26	NS0	48D26	40	50	278	72	260	173	204	225	1	A	72	96
18		NS0L	48D26L	40	50	278	72	260	173	204	225	2	A		
19		NS0Z	55D26	48	60	365	82	260	173	204	225	1	A		
20		NS0ZL	55D26L	48	60	365	82	260	173	204	225	2	A		
21		NS70	65D26	52	65	433	89	260	173	204	225	1	A		
22		NS70L	65D26L	52	65	433	89	260	173	204	225	2	A		
23		NX110-5	80D26	55	68	490	103	260	173	204	225	1	A		
24		NX110-5L	80D26L	55	68	490	103	260	173	204	225	2	A		
25	D31	N70	65D31	56	70	408	97	306	173	204	225	1	A	63	84
26		N70L	65D31L	56	70	408	97	306	173	204	225	2	A		
27		N70Z	75D31	60	75	469	116	306	173	204	225	1	A		
28		N70ZL	75D31L	60	75	469	116	306	173	204	225	2	A		
29		NX120-7	95D31	64	80	653	125	306	173	204	225	1	A		
30		NX120-7L	95D31L	64	80	653	125	306	173	204	225	2	A		
31		105D31	105D31	72	90	710	132	306	173	204	225	1	A		
32		105D31L	105D31L	72	90	710	132	306	173	204	225	2	A		
33	E41	N100	95E41	80	100	537	150	410	176	213	234	1	A	48	64
34		N100L	95E41L	80	100	537	150	410	176	213	234	2	A		
35	F51	N120	115F51	96	120	669	180	505	182	213	257	3	A		36
36	G51	N150	145G51	120	150	791	240	508	222	213	257	3	A		30
37		165G51	165G51	136	170	933	300	508	222	213	257	3	A		
38	H52	N200	N200	160	200	1.100	370	521	278	220	270	3	A		24

01. PREMIUM BATTERY



BATTERY SPECIFICATION

PREMIUM

For European Vehicles | Type DIN

NO	GROUP NO	BATTERY TYPE	CAPACITY 20Hr (AH)	CCA (A)	DIMENSION (mm)				LAY OUT	TERMINAL TYPE	HOLD DOWN	BATTERY QTY PER PALLET	
					L	W	H	TH				S	L
1	L1	544-59	44	210	208	175	190	190	2	A	B3	72	96
2		544-65	44	210	208	175	190	190	1	A	B3		
3	LB2	545-19	45	220	246	175	175	175	2	A	B4	72	96
4	L2	555-59	55	255	246	175	190	190	2	A	B3	78	104
5		555-65	55	255	246	175	190	190	1	A	B3		
6		562-19	62	280	246	175	190	190	2	A	B3		
7	L3	566-38	66	300	280	175	190	190	2	A	B3	63	84
8		574-12	74	300	280	175	190	190	2	A	B3		
9	L4	580-24	80	300	280	175	190	190	2	A	B3		
10	L5	588-27	88	395	357	175	190	190	2	A	B3	54	72
11		600-38	100	450	357	175	190	190	2	A	B3		
12	DIN A	620-34	120	575	512	190	194	220	4	A	-		36
13	DIN B	650-38	150	700	512	213	194	220	4	A	-		30
14		670-18	170	800	512	213	194	220	4	A	-		
15	DIN C	700-27	200	900	517	274	214	240	4	A	-		24



02. MAINTENANCE FREE BATTERY



BATTERY SPECIFICATION

MAINTENANCE FREE

For Japanese & Korean Vehicles **12V** | Type **JIS**

NO	GROUP NO	BATTERY TYPE		CAPACITY		CCA (A)	RC (@25 A) (Min)	DIMENSION (mm)				LAY OUT	TERMINAL TYPE	HOLD DOWN	BATTERY PER PALLET
		OLD JIS	NEW JIS	5Hr (AH)	20Hr (AH)			L	W	H	TH				
1	A19	MF 12N24-4	MF 26A19R	21	26	275	29	185	126	154	172	1	C	-	120
2		MF 12N24-3	MF 26A19L	21	26	275	29	185	126	154	172	2	C	-	
3	B20	MF NS40	MF 32B20	26	32	300	36	195	127	201	225	1	B	-	111
4		MF NS40L	MF 32B20L	26	32	300	36	195	127	201	225	2	B	-	
5		MF NS40S	MF 32B20S	26	32	300	36	195	127	201	225	1	A	-	
6		MF NS40LS	MF 32B20LS	26	32	300	36	195	127	201	225	2	A	-	
7		MF NS40Z	MF 36B20	28	35	350	39	195	127	201	225	1	B	-	
8		MF NS40ZL	MF 36B20L	28	35	350	39	195	127	201	225	2	B	-	
9		MF NS40ZS	MF 36B20S	28	35	350	39	195	127	201	225	1	A	-	
10		MF NS40ZLS	MF 36B20LS	28	35	350	39	195	127	201	225	2	A	-	
11	B24	MF NS60	MF 46B24	36	45	370	56	236	127	201	225	1	B	-	93
12		MF NS60L	MF 46B24L	36	45	370	56	236	127	201	225	2	B	-	
13		MF NS60S	MF 46B24S	36	45	370	56	236	127	201	225	1	A	-	
14		MF NS60LS	MF 46B24LS	36	45	370	56	236	127	201	225	2	A	-	
15	C24	MF N40	MF 32C24	32	40	360	40	236	127	201	225	1	A	-	93
16		MF N40L	MF 32C24L	32	40	360	40	236	127	201	225	2	A	-	
17	D23	MF 55D23	MF 55D23	48	60	465	74	230	171	200	225	1	A	B6	72
18		MF 55D23L	MF 55D23L	48	60	465	74	230	171	200	225	2	A	B6	
19		MF 75D23	MF 75D23	52	65	500	95	230	171	200	225	1	A	B6	
20		MF 75D23L	MF 75D23L	52	65	500	95	230	171	200	225	2	A	B6	
21	D26	MF N50	MF 48D26	40	50	430	72	257	171	200	225	1	A	B6	66
22		MF N50L	MF 48D26L	40	50	430	72	257	171	200	225	2	A	B6	
23		MF N50Z	MF 55D26	48	60	480	82	257	171	200	225	1	A	B6	
24		MF N50ZL	MF 55D26L	48	60	480	82	257	171	200	225	2	A	B6	
25		MF NS70	MF 65D26	52	65	530	89	257	171	200	225	1	A	B6	
26		MF NS70L	MF 65D26L	52	65	530	89	257	171	200	225	2	A	B6	
27		MF NX110-5	MF 80D26R	55	68	595	103	257	171	200	225	1	A	B6	
28		MF NX110-5L	MF 80D26L	55	68	595	103	257	171	200	225	2	A	B6	
29		MF 90D26	MF 90D26	57	72	600	108	257	171	200	225	1	A	B6	
30		MF 90D26L	MF 90D26L	57	72	600	108	257	171	200	225	2	A	B6	
31	D31	MF N70	MF 65D31	56	70	555	97	303	171	198	219	1	A	B7	54
32		MF N70L	MF 65D31L	56	70	555	97	303	171	198	219	2	A	B7	
33		MF N70Z	MF 75D31	60	75	610	116	303	171	198	219	1	A	B7	
34		MF N70ZL	MF 75D31L	60	75	610	116	303	171	198	219	2	A	B7	
35		MF NX120-7	MF 95D31	64	80	700	125	303	171	198	219	1	A	B7	
36		MF NX120-7L	MF 95D31L	64	80	700	125	303	171	198	219	2	A	B7	
37		MF N70ZZ	MF 105D31	72	90	730	132	303	171	198	219	1	A	B7	
38		MF N70ZZL	MF 105D31L	72	90	730	132	303	171	198	219	2	A	B7	
39		MF 115D31	MF 115D31	80	100	750	132	303	171	198	219	1	A	B7	
40		MF 115D31L	MF 115D31L	80	100	750	132	303	171	198	219	2	A	B7	
41	E41	MF N100	MF 95E41	80	100	600	150	410	176	213	234	1	A	-	42
42		MF N100L	MF 95E41L	80	100	600	150	410	176	213	234	2	A	-	
43	F51	MF N120	MF 115F51	96	120	815	180	505	182	213	257	3	A	-	30
44	G51	MF N150	MF 145G51	120	150	980	240	508	222	213	257	3	A	-	24
45	H52	MF N200	MF 190H52	160	200	1.160	370	521	278	220	270	3	A	-	18

02. MAINTENANCE FREE BATTERY



BATTERY SPECIFICATION

MAINTENANCE FREE

For European Vehicles **12V** | Type **DIN**

NO	GROUP NO	BATTERY TYPE	CAPACITY 20Hr (AH)	CCA (A)	DIMENSION (mm)				LAY OUT	TERMINAL TYPE	BATTERY PER PALLET
					L	W	H	TH			
1	L1	MF 544-59	44	360	208	175	190	190	2	A	72
2		MF 544-64	44	360	208	175	190	190	1	A	
3	L2	MF 555-59	55	430	246	175	190	190	2	A	72
4		MF 555-65	55	430	246	175	190	190	1	A	
5		MF 560-73	60	450	246	175	190	190	2	A	
6		MF 562-19	62	480	246	175	190	190	2	A	
7		MF 562-21	62	480	246	175	190	190	1	A	
8	LB2	MF 545-19	45	460	246	175	175	175	2	A	72
9		MF 555-63	55	520	246	175	175	175	1	A	
10		MF 555-66	55	520	246	175	175	175	2	A	
11		MF 562-05	62	600	246	175	175	175	2	A	
12	L3	MF 566-33	66	510	280	175	190	190	1	A	54
13		MF 566-38	66	510	280	175	190	190	2	A	
14		MF 572-29	72	550	280	175	190	190	2	A	
15		MF 572-33	72	550	280	175	190	190	1	A	
16		MF 574-12	74	575	280	175	190	190	2	A	
17		MF 574-13	74	575	280	175	190	190	1	A	
18		MF 575-19	75	585	280	175	190	190	2	A	
19		MF 575-20	75	585	280	175	190	190	1	A	
20	LB3	MF 580-24	80	600	280	175	190	190	2	A	54
21		MF 566-40	66	620	280	175	175	175	2	A	
22	L5	MF 575-40	75	680	280	175	175	175	2	A	45
23		MF 588-21	88	630	357	175	190	190	1	A	
24		MF 588-27	88	630	357	175	190	190	2	A	
25	LB5	MF 600-38	100	710	357	175	190	190	2	A	45
26		MF 588-15	88	750	357	175	175	175	2	A	
27	DIN B	MF 670-18	170	1.150	510	213	182	203	4	A	30
28		MF 680-18	180	1.200	510	213	182	203	4	A	
29	DIN C	MF 720-18	220	1.250	517	274	214	234	4	A	18



03. MOTORCYCLE BATTERY



BATTERY SPECIFICATION

BATTERY TYPE	VOLT	CAPACITY 10 HR (Ah)	Size (mm)			PLATE PER CELL	TERMINAL
			L	W	H		
6N4-2A	6	4	"70 (80)"	70	95	5	
6N4-2A-2	6	4	"70 (80)"	70	95	5	
6N4-2A-4	6	4	"70 (80)"	70	95	5	
6N4A-4D	6	4	"60 (67)"	56	130	5	
6N6-3B	6	6	98	56	"110 (119)"	7	
6N6-3B-1	6	6	"98 (108)"	56	110	7	
6N11-2D	6	11	149	"69 (81)"	99	17	
12N5-3B	12	4	"120 (131)"	60	130	5	
12N9-4B-1	12	9	"135 (146)"	75	139	7	
12N10-3B	12	10	"135 (146)"	90	145	7	
"12N5,5-4B (MULTIPOLE)"	12	5.5	"135 (144)"	60	"130 (132)"	7	
"12N7C-3D (MULTIPOLE)"	12	7	130	"90 (99)"	"114 (118)"	7	
"12N9-4B-1 (MULTIPOLE)"	12	9	"135 (146)"	75	"139 (143)"	7	
"12N10-3Bm (MULTIPOLE)"	12	10	"135 (146)"	90	"145 (152)"	7	
QM2,5A-3C-2	12	2.5	80	"70 (81)"	105	3	
QM3-3A	12	3	"98 (109)"	56	110	5	
QM3-3B	12	3	"98 (109)"	56	110	5	
QM4-3B	12	4	"120 (131)"	70	92	7	
QM5Z-3B	12	5	"120 (131)"	60	130	7	
QM7B-4B	12	7	"150 (160)"	60	130	9	
QM3-3B Kit	12	3	"98 (109)"	56	110	5	
QM5Z-3B Kit	12	5	"120 (131)"	60	130	7	
QM7B-4B Kit	12	7	"150 (160)"	60	130	9	
12N5-3B Kit	12	4	"120 (131)"	60	130	5	

Valve Regulated Lead Acid (VRLA)

BATTERY TYPE	VOLT	CAPACITY 10 HR (Ah)	SIZE (mm)			PLATE PER CELL	TERMINAL
			L	W	H		
QTZ 4V	12	3	113	70	85	7	
QTZ 5S	12	3.5	113	70	85	7	
QTZ7S	12	5.5	113	70	105	7	
QT6A (QM5Z-3B)	12	5	120	60	130	7	

03. MOTORCYCLE BATTERY



STANDART PACKING

BATTERY SERIES	BATTERY Per MASTER BOX (Pcs)	PALLETE SIZE	BATTERY PER PALLETE (Pcs)	NETT WEIGHT	GROSS WEIGHT	VOLUME
				(kg)	(kg)	(M³)
6N4A - 2A	20	S	720	504	530	0.996
		L	960	672	698	1.320
6N4A - 4D	20	S	900	630	656	0.900
		L	1080	756	782	1.070
6N6 - 3B	10	S	450	540	566	0.900
		L	540	658	674	1.250
6N11 - 2D	12	L	432	583	609	1.030
QM5Z - 3B	10	L	480	768	794	1.260
QM2,5 - 3C - 2	20	S	600	492	515	0.830
		L	800	656	679	1.100
QM4 - 3B	12	L	576	726	749	1.030
QM7B - 4B	10	L	400	756	782	1.080
QM3 - 3B	10	L	540	648	674	0.900
12N5 - 3B	10	L	480	768	791	1.260
12N10 - 3B	6	L	270	810	836	1.050
12N9 - 4B - 1	8	L	320	832	855	0.920
12N7C - 3D	8	L	320	755	781	0.920
12N5 - 3B KIT	6	L	324	664	690	1.260
QM5Z - 3B KIT	6	L	324	778	804	1.260
QGM3 - 3B KIT	6	L	360	533	559	1.260
QM7B - 4B KIT	5	L	240	674	700	1.260
QTZ5S	10	L	500	896	922	0.920
QTZ7S	10	L	500	1,134	1,160	0.920
QT6A (MF QM5Z-3B)	10	L	360	720	746	0.920

04. GOLF CAR SERIES



BATTERY SPECIFICATION

DRY CHARGED

NO	BATTERY TYPE	VOLT V	CAPACITY		RESERVE CAPACITY			DIMENSION (mm)				LAY OUT	TERMINAL TYPE	BATTERY QTY PER PALLET
			5Hr (AH)	20Hr (AH)	@ 25 A (Min)	@ 56 A (Min)	@ 75 A (Min)	L	W	H	TH			
1	6D115	6	171	225	450	---	115	264	181	244	283	5	H	60
2	6D135	6	192	235	490	---	135	264	181	244	283	5	H	60
3	8D90	8	150	165	340	135	90	264	181	244	283	6	H	60

05. HEAVY DUTY SERIES

BATTERY SPECIFICATION

DRY CHARGED

For heavy equipment and vehicle 12V

NO	GROUP NO	BATTERY TYPE		CAPACITY 20Hr (AH)	CCA SAE (A)	RC (@25 A) (Min)	DIMENSION (mm)				LAY OUT	TERMINAL TYPE	BATTERY QTY PER PALLET	
							L	W	H	TH			S	L
1	E41	N100 HD	95E41	100	475	150	410	176	213	234	1	A	42	56
2		N100 L HD	95E41 L	100	475	150	410	176	213	234	2	A		
3	F51	N120 HD	115F51	120	575	180	505	182	213	257	3	A		36
4	G51	N150 HD	145G51	150	685	240	508	222	213	257	3	A		30
5	H52	N200 HD	190H52	200	765	370	521	278	220	270	3	A		24

BATTERY SPECIFICATION

MAINTENANCE FREE

NO	GROUP NO	BATTERY TYPE		CAPACITY 20Hr (AH)	CCA SAE (A)	RC (@25 A) (Min)	DIMENSION (mm)				LAY OUT	TERMINAL TYPE	BATTERY QTY PER PALLET
							L	W	H	TH			
1	E41	MF N100 HD	MF 95E41	110	800	160	410	176	213	234	2	A	42
2	F51	MF N120 HD	MF 115F51	130	850	240	505	182	213	257	3	A	30
3	G51	MF N150 HD	MF 145G51	160	1000	300	508	222	213	257	3	A	24
4	H52	MF N200 HD	MF 190H52	210	1550	400	521	278	220	270	3	A	18
5	DIN C	MF DIN C 720-18		220	1.250	450	517	274	214	234	4	A	24
6	BCI 200	MF HD 4D200		200	1.200	370	512	213	194	220	3	A	18

06. INDUSTRIAL SERIES



BATTERY SPECIFICATION

DRY CHARGED T SERIES

NO	BATTERY TYPE	CAPACITY		DIMENSION (mm)				LAY OUT	TERMINAL TYPE	BATTERY QTY PER PALLET
		5Hr (AH)	20Hr (AH)	L	W	H	TH			
1	N70T	56	70	306	173	204	225	1	D	84
2	N100T	80	100	410	176	213	234	1	D	56
3	N150T	120	150	508	222	213	257	3	D	30
4	N200T	160	200	521	278	220	270	3	D	24

BATTERY SPECIFICATION

MF ZD SERIES

NO	BATTERY TYPE	CAPACITY		DIMENSION (mm)				LAY OUT	TERMINAL TYPE	HOLD DOWN	BATTERY QTY PER PALLET
		5Hr (AH)	20Hr (AH)	L	W	H	TH				
1	MF N70ZD	60	75	303	171	198	219	1	A	B7	54

BATTERY SPECIFICATION

AGM SERIES

NO	BATTERY TYPE	CAPACITY	DIMENSION (mm)			LAY OUT	TERMINAL TYPE	BATTERY QTY PER PALLET
		10Hr (AH)	L	W	H			
1	SA 65-12	65	350	167	174	2	E	54
2	SA 100-12	100	329	172	219	1	F	54
3	SA 105 FT-12	105	395	110	286	3	G	40

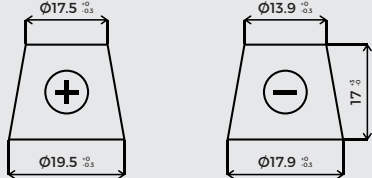
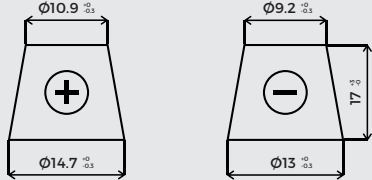
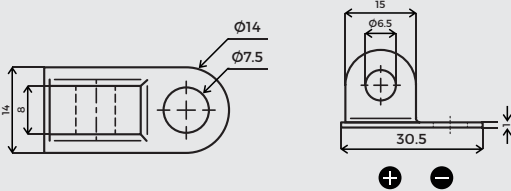
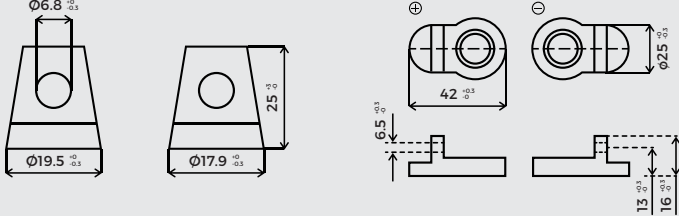
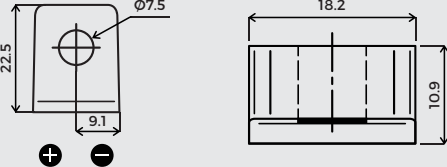
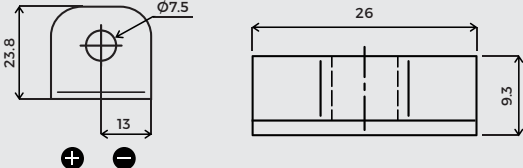
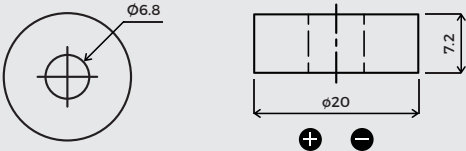
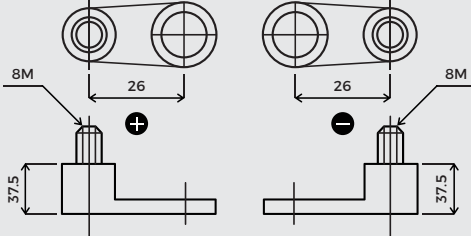
BATTERY SPECIFICATION

GEL SERIES

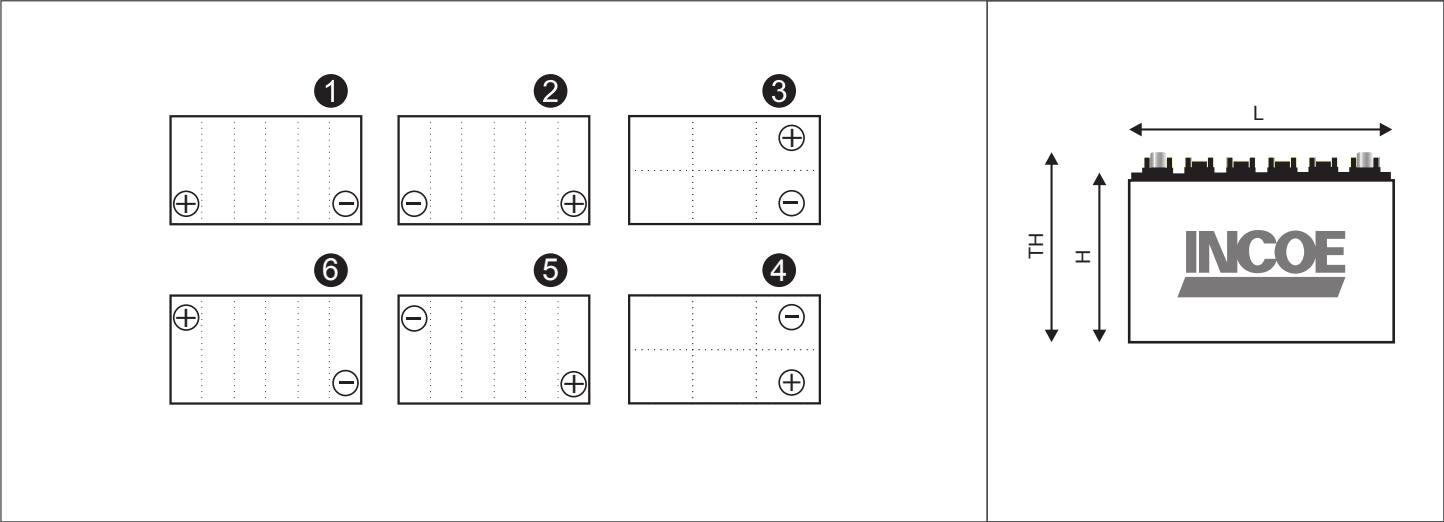
NO	BATTERY TYPE	CAPACITY	DIMENSION (mm)			LAY OUT	TERMINAL TYPE	BATTERY QTY PER PALLET
		10Hr (AH)	L	W	H			
1	SG 65	65	350	167	173	2	E	54
2	SG 100	100	329	172	225	1	F	54

TECHNICAL INFORMATION

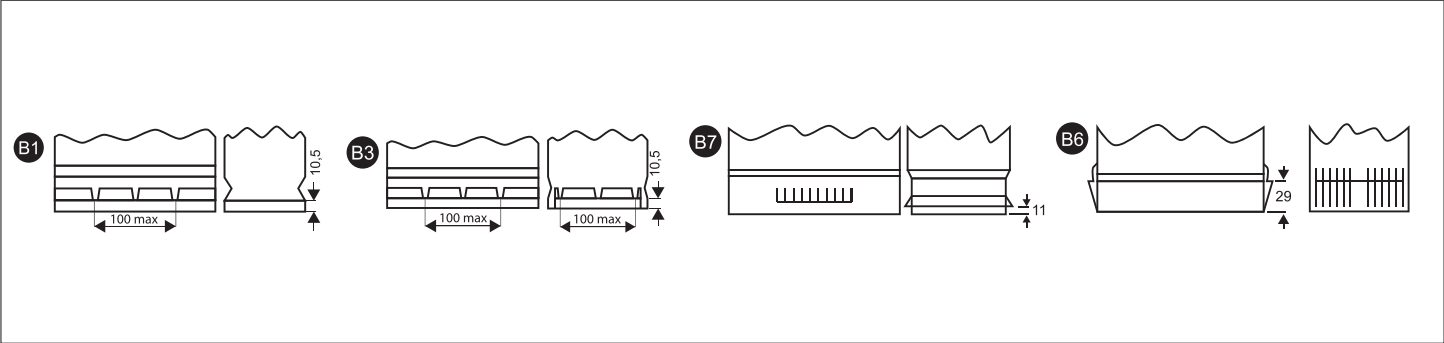
1. Terminal Lay Out

NO	TERMINAL TYPE	APPLICATION ON BATTERY
A		Automotive Battery
B		Automotive Battery
C		MF 12N24
D		Deep Cycle Conventional
E		Deep Cycle SA65-12 SG65-12
F		Deep Cycle SA100-12 SG100-12
G		Telecom Battery SA105FT-12
H		Golf Car Battery

2. Lay Out Terminal



3. Base Hold Down





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