

Durable power for your endless journey

 **POWERING
AHEAD**



Reliable Power For Durability Endurance

INCOE battery is a reputable brand manufactured by PT Century Batteries Indonesia with PT Astra Otoparts Tbk as the sole distributor. With a strong commitment to consistently maintain quality standards and environmental sustainability, the factory has complied international IATF 16949, ISO 14001, ISO 9001 certification.

With proven expertise and experience for more than 45 years in design and products development, INCOE battery has acquired "Indonesian Standard SNI", "Philippines National Standard", "Saudi Arabian SASO" certifications and trusted as Original Equipment Manufacturer (OEM) to various car manufacturers in Indonesia such as **Toyota, Daihatsu, Hyundai** and **Isuzu**.

Internationally, INCOE has satisfied customers with more than 40 coverage in Asia Oceania, Africa, Middle East, South America and Europe.



As we continuously strive to achieve the highest level of customer satisfaction, INCOE battery has developed wide level of product range with high purity material and stringent quality control.



01. Automotive Series

INCOE battery automotive series are the most commonly type and with years of experiences has always been the choice for its reliability and consistency.

- Dry Charged
- MF (Maintenance Free)



02. Golf Cart Series

Built to deliver performance and durability, INCOE Golf Cart Series meet the challenges of various courses landscape in the world.

- 6 Volt
- 8 Volt



03. Heavy Duty Series

Mining heavy equipments and vehicles need to work at their best in the most difficult environments and the harshest weather. INCOE battery Heavy Duty Series with extreme vibration resistance and spill protection will be the right solution.

- Dry Charged
- MF (Maintenance Free)



04. Industrial Series

The robust design makes INCOE battery Industrial Series ideal for use in health and safety sensitive environments such as household, telecommunication towers, and office buildings.

- Dry Charged T Series
- MF ZD Series
- AGM Series
- Gel Series



01. Automotive Series

BATTERY SPECIFICATION				DRY CHARGED												For Japanese & Korean Vehicles 12V Type JIS			
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	32C24L	32	40	249	40	238	129	203	227	2	A						
15	D23	55D23	55D23	48	60	373	74	232	173	204	225	1	A	84	112				
16		55D23L	55D23L	48	60	373	74	232	173	204	225	2	A						
17	D26	N50	48D26	40	50	278	72	260	173	204	225	1	A	72	96				
18		N50L	48D26L	40	50	278	72	260	173	204	225	2	A						
19		N50Z	55D26	48	60	365	82	260	173	204	225	1	A						
20		N50ZL	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	42	56				
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	190H52	160	200	1.100	370	521	278	220	270	3	A		24				

01. Automotive Series

BATTERY SPECIFICATION				DRY CHARGED												For European Vehicles Type DIN			
NO	GROUP NO	BATTERY TYPE	CAPACITY 20Hr(AH)	CCA DIN (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	249	175	175	175	2	A	B4	78	104						
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	306	175	190	190	2	A	B3	63	84						
8		574-12	74	300	306	175	190	190	2	A	B3								
9	L4	580-24	80	300	306	175	190	190	2	A	B3	63	84						
10	L5	588-27	88	395	377	175	190	190	2	A	B3	54	72						
11		600-38	100	450	381	175	190	190	2	A	B3	42	56						
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						

Reliability and consistency that you can trust for all types of your vehicle

INCOE battery automotive series are the most commonly type and with years of experiences has always been the choice for its reliability and consistency.



01. Automotive Series

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 QTY 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	---	135
2		MF 12N24-3	MF 26A19L	21	26	275	29	185	126	154	172	2	C	---	
3	B20	MF NS40	MF 40B20R	26	32	300	36	195	127	201	225	1	B	---	135
4		MF NS40L	MF 40B20L	26	32	300	36	195	127	201	225	2	B	---	
5		MF NS40S	MF 40B20R(S)	26	32	300	36	195	127	201	225	1	A	---	
6		MF NS40LS	MF 40B20L (S)	26	32	300	36	195	127	201	225	2	A	---	
7		MF NS40Z	MF 45B20R	28	35	350	39	195	127	201	225	1	B	---	
8		MF NS40ZL	MF 45B20L	28	35	350	39	195	127	201	225	2	B	---	
9		MF NS40ZS	MF 45B20R(S)	28	35	350	39	195	127	201	225	1	A	---	
10		MF NS40ZLS	MF 45B20L (S)	28	35	350	39	195	127	201	225	2	A	---	
11	B24	MF NS60	MF 50B24R	36	45	370	56	236	127	201	225	1	B	---	108
12		MF NS60L	MF 50B24L	36	45	370	56	236	127	201	225	2	B	---	
13		MF NS60S	MF 50B24R(S)	36	45	370	56	236	127	201	225	1	A	---	
14		MF NS60LS	MF 50B24L (S)	36	45	370	56	236	127	201	225	2	A	---	
15	C24	MF N40	MF 45C24R	32	40	360	40	236	127	201	225	1	A	---	108
16		MF N40L	MF 45C24L	32	40	360	40	236	127	201	225	2	A	---	
17	D23	MF 55D23	MF 65D23R	48	60	465	74	230	171	200	225	1	A	B6	84
18		MF 55D23L	MF 65D23L	48	60	465	74	230	171	200	225	2	A	B6	
19		MF 75D23	MF 80D23R	52	65	500	95	230	171	200	225	1	A	B6	
20		MF 75D23L	MF 80D23L	52	65	500	95	230	171	200	225	2	A	B6	
21	D26	MF N50	MF 60D26R	40	50	430	72	257	171	200	225	1	A	B6	72
22		MF N50L	MF 60D26L	40	50	430	72	257	171	200	225	2	A	B6	
23		MF N50Z	MF 70D26R	48	60	480	82	257	171	200	225	1	A	B6	
24		MF N50ZL	MF 70D26L	48	60	480	82	257	171	200	225	2	A	B6	
25		MF NS70	MF 75D26R	52	65	530	89	257	171	200	225	1	A	B6	
26		MF NS70L	MF 75D26L	52	65	530	89	257	171	200	225	2	A	B6	
27		MF NX110-5	MF 90D26R	55	68	595	103	257	171	200	225	1	A	B6	
28		MF NX110-5L	MF 90D26L	55	68	595	103	257	171	200	225	2	A	B6	
29		MF 90D26R	MF 95D26R	57	72	600	108	257	171	200	225	1	A	B6	
30		MF 90D26L	MF 95D26L	57	72	600	108	257	171	200	225	2	A	B6	
31	D31	MF N70	MF 80D31R	56	70	555	97	303	171	198	219	1	A	B7	63
32		MF N70L	MF 80D31L	56	70	555	97	303	171	198	219	2	A	B7	
33		MF N70Z	MF 95D31R	60	75	610	116	303	171	198	219	1	A	B7	
34		MF N70ZL	MF 95D31L	60	75	610	116	303	171	198	219	2	A	B7	
35		MF NX120-7	MF 100D31R	64	80	700	125	303	171	198	219	1	A	B7	
36		MF NX120-7L	MF 100D31L	64	80	700	125	303	171	198	219	2	A	B7	
37		MF N70ZZ	MF 110D31R	72	90	730	132	303	171	198	219	1	A	B7	
38		MF N70ZZL	MF 110D31L	72	90	730	132	303	171	198	219	2	A	B7	
39		MF 115D31	MF 125D31R	80	100	750	132	303	171	198	219	1	A	B7	
40		MF 115D31L	MF 125D31L	80	100	750	132	303	171	198	219	2	A	B7	
41	E41	MF N100	MF 115E41R	80	100	600	150	410	176	213	234	1	A	---	42
42		MF N100L	MF 115E41L	80	100	600	150	410	176	213	234	2	A	---	
43	F51	MF N120	MF 135F51	96	120	815	180	505	182	213	257	3	A	---	36
44	G51	MF N150	MF 170G51	120	150	980	240	508	222	213	257	3	A	---	30
45	H52	MF N200	MF 210H52	160	200	1.160	370	521	278	220	270	3	A	---	24

01. Automotive Series

BATTERY SPECIFICATION			MAINTENANCE FREE				For European Vehicles Type DIN						
NO	GROUP NO	BATTERY TYPE	CAPACITY 20Hr(AH)	CCA SAE (A)	CCA DIN (A)	DIMENSION (mm)				LAY OUT	TERMINAL TYPE	HOLD DOWN	BATTERY QTY PER PALLET
						L	W	H	TH				
1	L1	MF 544-59	44	360	190	208	175	190	190	2	A	B3	90
2		MF 544-64	44	360	190	208	175	190	190	1	A	B3	
3	L2	MF 555-59	55	430	235	246	175	190	190	2	A	B3	78
4		MF 555-65	55	430	235	246	175	190	190	1	A	B3	
5		MF 560-73	60	450	250	246	175	190	190	2	A	B3	
6		MF 562-19	62	480	265	246	175	190	190	2	A	B3	
7		MF 562-21	62	480	265	246	175	190	190	1	A	B3	
8	LB2	MF 545-19	45	460	240	246	175	175	175	2	A	B1	78
9		MF 555-63	55	520	280	246	175	175	175	1	A	B3	
10		MF 555-66	55	520	280	246	175	175	175	2	A	B3	
11		MF 562-05	62	600	330	246	175	175	175	2	A	B3	
12	L3	MF 566-33	66	510	280	280	175	190	190	1	A	B3	63
13		MF 566-38	66	510	280	280	175	190	190	2	A	B3	
14		MF 572-29	72	550	290	280	175	190	190	2	A	B3	
15		MF 572-33	72	550	290	280	175	190	190	1	A	B3	
16		MF 574-12	74	575	300	280	175	190	190	2	A	B3	
17		MF 574-13	74	575	300	280	175	190	190	1	A	B3	
18		MF 575-19	75	585	320	280	175	190	190	2	A	B3	
19		MF 575-20	75	585	320	280	175	190	190	1	A	B3	
20		MF 580-24	80	600	325	280	175	190	190	2	A	B3	
21		LB3	MF 566-40	66	620	340	280	175	175	175	2	A	B3
22	MF 575-40		75	680	360	280	175	175	175	2	A	B3	
23	L5	MF 588-21	88	630	350	357	175	190	190	1	A	B3	48
24		MF 588-27	88	630	350	357	175	190	190	2	A	B3	
25		MF 600-38	100	710	380	357	175	190	190	2	A	B3	
26	LB5	MF 588-15	88	750	420	357	175	175	175	2	A	B3	48
27	DIN B	MF 670-18	170	1.150	725	510	213	182	203	4	A	---	30
28		MF 680-18	180	1.200	800	510	213	182	203	4	A	---	
29	DIN C	MF 720-18	220	1.250	950	517	274	214	234	4	A	---	24

INCOE battery automotive series are the most commonly type and with years of experiences has always been the choice for its reliability and consistency.



02. Golf Cart 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

03. 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	36	
3	G51	MF N150 HD	MF 145G51	160	1000	300	508	222	213	257	3	A	30	
4	H52	MF N200 HD	MF 190H52	210	1550	400	521	278	220	270	3	A	24	
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	

04. EFB START STOP BATTERY

BATTERY SPECIFICATION			IDLE START STOP (ISS)										
NO.	BATTERY TYPE		CAPACITY (AH)	CCA (A)	RC (@ 25A) (Min)	DIMENSION (mm)				LAY OUT	TERMINAL TYPE	HOLD DOWN	BATTERY PER PALLET
						L	W	H	TH				
1	M-42	55B20L	40	460	60	195	127	201	225	2	B	-	135
2	Q-85	95D23L	65	670	110	232	173	204	225	2	A	B1	84
3	S-95	80D26L	70	800	141	257	171	200	225	2	A	B1	66
4	T-115	105D31L	80	900	159	303	171	198	219	2	A	B1	54

05. 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

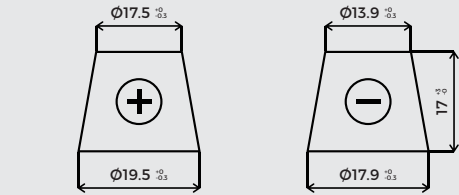
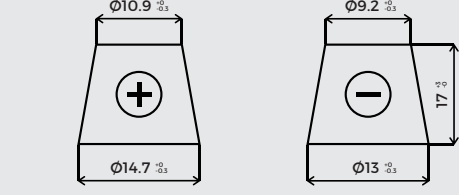
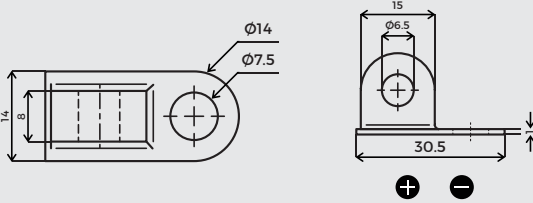
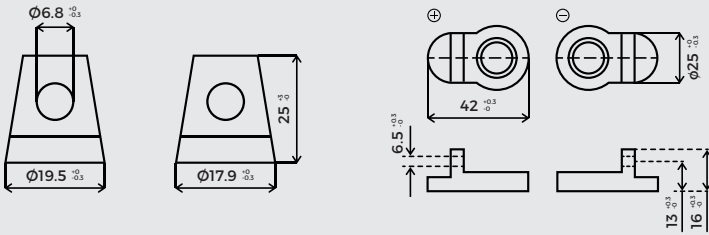
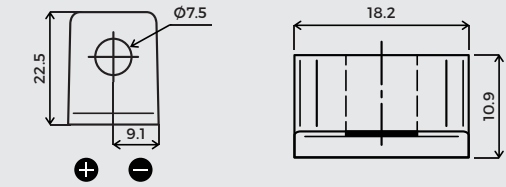
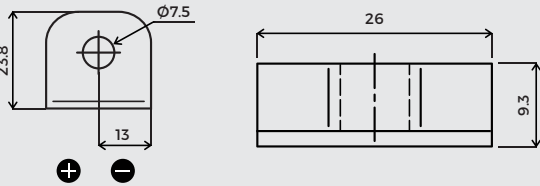
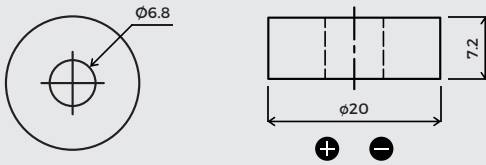
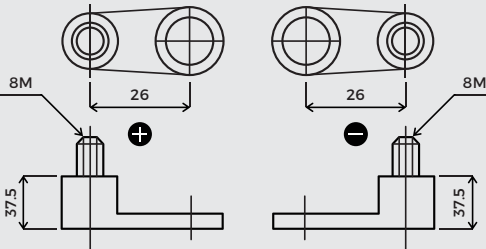
BATTERY SPECIFICATION			MF ZD SERIES									
NO	BATTERY TYPE		CAPACITY		DIMENSION (mm)				LAY OUT	TERMINAL TYPE	HOLD DOWN	BATTERY QTY PER PALLET
			5Hr (AH)	20Hr (AH)	L	W	H	TH				
1	MF N70ZD		60	75	303	171	198	219	1	A	B7	63

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

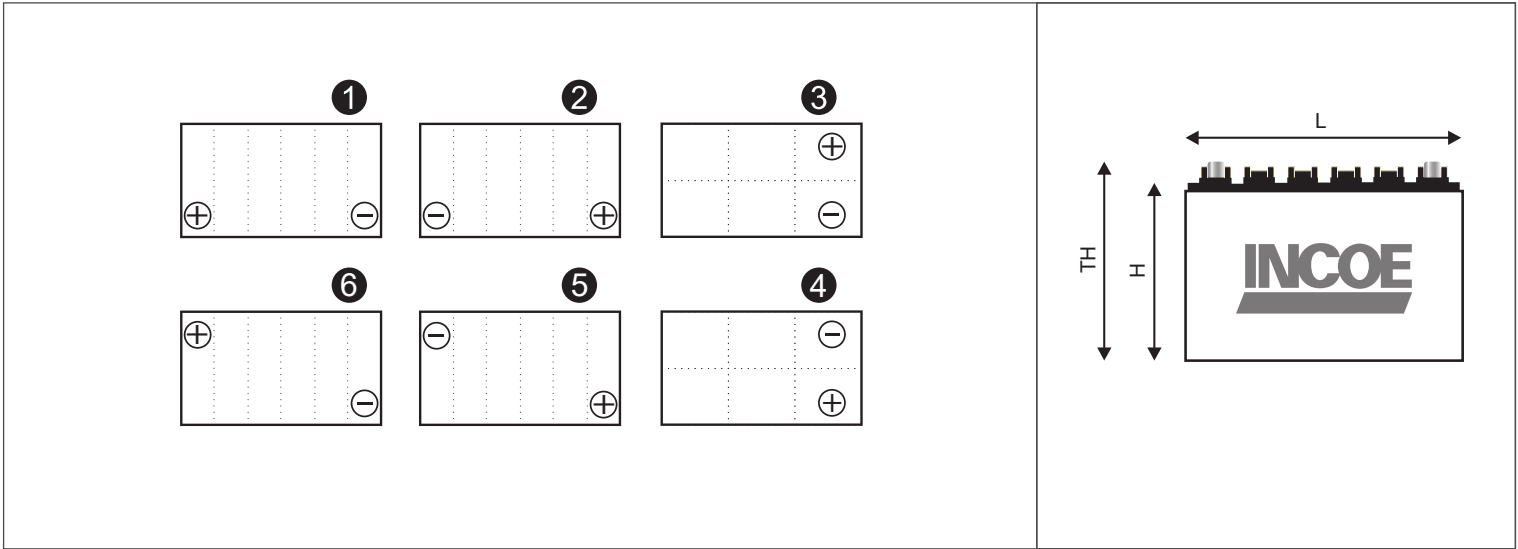
BATTERY SPECIFICATION			GEL SERIES					
NO	BATTERY TYPE	CAPACITY	DIMENSION (mm)			LAY OUT	TERMINAL TYPE	BATTERY QTY PER PALLET
		10Hr (AH)	L	W	H			
1	SG 65	65	350	167	173	2	E	54
2	SG 100	100	329	172	225	1	F	54

Technical Information

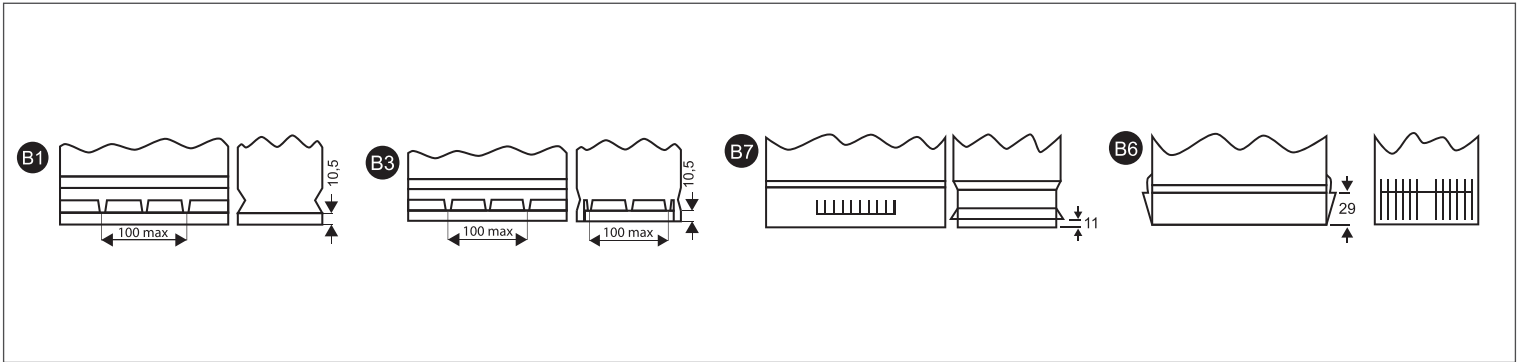
1. Terminal Lay Out

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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