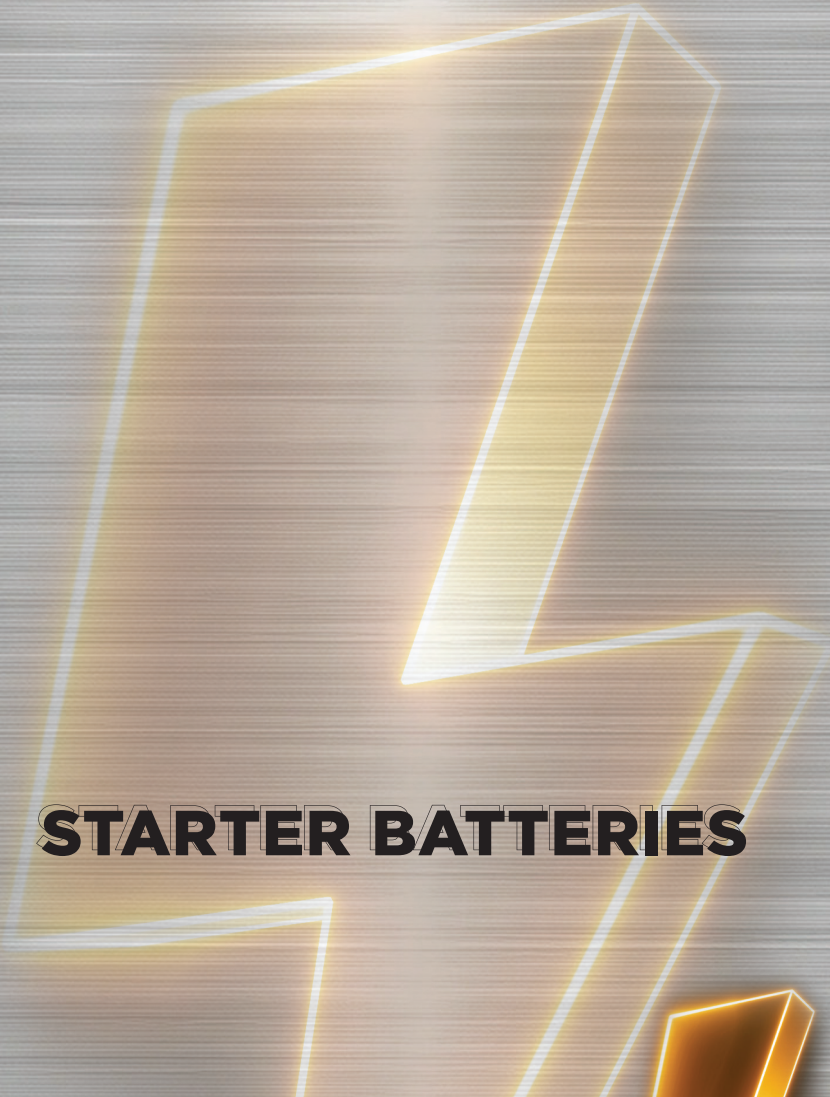




STARTER BATTERIES

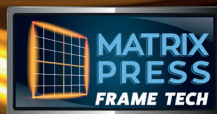
TURBO
BATTERY



TURBO BATTERY

With Punch Press Technology

LONGER Lifespan
Charging Time
Eco-Friendly



DIN TYPE

STARTER BATTERIES



%30 High
Performance



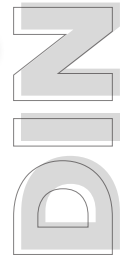
Increased Vibration
Strength



Durability



+Ca Ca
Technology



Specifications

- Superior Cranking Power
- Conforms to the original equipments of the vehicle
- Sealed Maintenance Free
- Punch Grid Technology

DIN TYPE															
Code	Type	Bci Type	Box Type	Capacity (Ah)	Cca En (-18 C)	Cca Sae (-18 C)	Reserve Capacity	Length (Mm)	Width (Mm)	Height (Mm)	Terminal Layout	Hold Down	Terminal	Truck Pallet	Container Pallet
SMF-54459	L1	26	L1	45	450	480	70	207	174	188	0	B13	A	80	120
SMF-54464	L1	26	L1	45	450	480	70	207	174	188	1	B13	A	80	120
SMF-54321	LB1	99	LB1	45	450	480	68	207	174	173	0	B13	A	80	120
SMF-54322	LB1	99	LB1	45	450	480	68	207	174	173	1	B13	A	80	120
SMF-55559	L2	47	L2	55	540	580	88	240	175	189	0	B13	A	64	96
SMF- 55565	L2	47	L2	55	540	580	88	240	175	189	1	B13	A	64	96
SMF-56019	L2	47	L2	60	590	630	98	240	175	189	0	B13	A	64	96
SMF-56020	L2	47	L2	60	590	630	98	240	175	189	1	B13	A	64	96
SMF 55509	LB2	42	LB2	55	540	580	88	240	175	175	0	B13	A	64	96
SMF 55510	LB2	42	LB2	55	540	580	88	240	175	175	1	B13	A	64	96
SMF-56249	LB2	42	LB2	60	590	630	98	240	175	175	0	B13	A	64	96
SMF-56250	LB2	42	LB2	60	590	630	98	240	175	175	1	B13	A	64	96
SMF 56638	L3	41	L3	70	690	740	118	277	175	191	0	B13	A	60	90
SMF 56640	L3	41	L3	70	690	740	118	277	175	191	1	B13	A	60	90
SMF-57412	L3	41	L3	72	740	790	128	277	175	191	0	B01	A	60	90
SMF-57413	L3	41	L3	72	740	790	128	277	175	191	1	B01	A	60	90
SMF-57113	LB3	48	LB3	70	740	790	128	277	175	176	0	B13	A	60	90
SMF-57114	LB3	48	LB3	70	740	790	128	277	175	176	1	B13	A	60	90
SMF-58043	L4	43/94	L4	80	720	770	138	313	175	189	0	B13	A	48	72
SMF-57539	LB4	92	LB4	80	720	770	138	312	175	174	0	B13	A	48	72
SMF-58827	L5	49	L5	88	710	770	154	353	175	190	0	B13	A	48	72
SMF-58893	LB5	93	LB5	88	710	770	154	353	175	175	0	B13	A	48	72
SMF-60038	L5	49	L5	100	900	970	179	353	175	190	0	B13	A	48	72
SMF-60093	LB5	93	LB5	100	900	970	179	353	175	175	0	B13	A	48	72
SMF-60039	L5	49	L5	100	900	970	179	353	175	190	1	B13	A	48	72

JIS TYPE

STARTER BATTERIES



%30 Higher
Performance



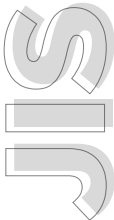
Increased Vibration
Strength



Durability



+Ca Ca
Technology



Specifications

- Superior Cranking Power
- Conforms to the original equipments of the vehicle
- “Sealed Maintenance Free”
- Punch Grid Technology

JIS TYPE															
Code	Type	Bci Type	Box Type	Capacity (Ah)	Cca En (-18 C)	Cca Sae (-18 C)	Reserve Capacity	Length (Mm)	Width (Mm)	Height (Mm)	Terminal Layout	Hold Down	Terminal	Truck Pallet	Container Pallet
SMF-40B19L	B19/NS40	N/A	B19/NS40	35	280	300	52	196	136	225	0	B01	B	116	174
SMF-40B19R	B19/NS40	N/A	B19/NS40	35	280	300	52	196	136	225	1	B01	B	116	174
SMF-40B19FL	B19/NS40	N/A	B19/NS40	45	360	390	64	196	136	225	0	B01	B	116	174
SMF-40B19FR	B19/NS40	N/A	B19/NS40	45	360	390	64	196	136	225	1	B01	B	116	174
SMF-NS-50B24FL	B24/NS60	51	B24/NS60	42	320	340	61	238	134	225	0	B01	B	84	126
SMF-NS-50B24FR	B24/NS60	51	B24/NS60	42	320	340	61	238	134	225	1	B01	B	84	126
SMF-50B24FL	B24/NS60	51	B24/NS60	50	400	430	79	238	134	225	0	B01	B	84	126
SMF-50B24FR	B24/NS60	51	B24/NS60	50	400	430	79	238	134	225	1	B01	B	84	126
SMF-50B24L	B24/NS60	51	B24/NS60	50	400	430	79	238	134	225	0	B0	B	84	126
SMF-50B24R	B24/NS60	51	B24/NS60	50	400	430	79	238	134	225	1	B0	B	84	126
SMF-55D23L	D23	35	D23	60	600	640	98	235	178	220	0	B01	A	64	96
SMF-55D23R	D23	25	D23	60	600	640	98	235	178	220	1	B01	A	64	96
SMF-80D26L	D26/NS0	24	D26/NS0	70	720	770	138	260	173	220	0	B01	A	64	96
SMF-80D26R	D26/NS0	24	D26/NS0	70	720	770	138	260	173	220	1	B01	A	64	96
SMF-105D31FL	D31/N70	27	D31/N70	95	690	740	172	304	173	224	0	B01	A	48	72
SMF-105D31FR	D31/N70	27	D31/N70	95	690	740	172	304	173	224	1	B01	A	48	72
SMF-115D31FL	D31/N70	27	D31/N70	110	740	800	196	304	173	224	0	B01	A	48	72
SMF-115D31FR	D31/N70	27	D31/N70	110	740	800	196	304	173	224	1	B01	A	48	72

HEAVY DUTY

STARTER BATTERIES



%30 High Performance



Increased Vibration Strength



Durability



+Ca Ca Technology

HEAVY DUTY

Features

- Superior Cranking Power
- Enhanced Durability:
- Maintenance-Free
- Fast Recharge



HEAVY DUTY															
Code	Type	Bci Type	Box Type	Capacity (Ah)	Cca En (-18 C)	Cca Sae (-18 C)	Reserve Capacity	Length (Mm)	Width (Mm)	Height (Mm)	Terminal Layout	Hold Down	Terminal	Truck Pallet	Container Pallet
MF-90TH	N90	N/A	H4	90	640	690	166	349	174	227	0	B03	A	48	72
MF-105T	N105	N/A	H4	105	740	800	190	349	174	227	0	B03	A	48	72
MF-90TD	N90	N/A	D2	90	640	690	166	345	175	233	0	B0	A	72	42
MF-115T	N115	N/A	D2	115	800	860	202	345	175	233	0	B0	A	72	42
MF 62034	N120	N/A	D4/A	120	840	900	227	512	188	213	3	B03	A	28	35
MF-63530	N135	N/A	D4/A	140	980	1050	265	512	188	213	3	B03	A	28	35
MF-150	N150	4D	D5/B	150	1000	1070	292	512	222	215	3	B0	A	24	30
MF-67018	N170	4D	D5/B	170	1100	1180	330	512	222	215	3	B0	A	24	30
MF-67019	N170	4D	D5/B	170	1100	1180	330	512	222	215	4	B0	A	24	30
MF-68032	N180	4D	D5/B	180	1130	1210	357	512	222	215	3	B0	A	24	30
MF-72511	N225	8D	D6/C	225	1240	1330	467	515	275	236	3	B0	A	20	25
MF-74050	N235	8D	D6/C	235	1300	1400	495	515	275	236	3	B0	A	20	25

BCI GROUP

STARTER BATTERIES



%30 Higher
Performance



Increased Vibration
Strength



Durability



+Ca Ca
Technology

Features

- High Cranking Power
- Deep-Cycle Capability
- Vibration Resistance
- Maintenance-Free
- Quick Recharge



BCI31/BCI65															
Code	Type	Bci Type	Box Type	Capacity (Ah)	Cca En (-18 C)	Cca Sae (-18 C)	Reserve Capacity	Length (Mm)	Width (Mm)	Height (Mm)	Terminal Layout	Hold Down	Terminal	Truck Pallet	Container Pallet
BCI31-940M	31	31M	BCI31	120	820	880	223	330	173	238	18	B0	M	48	72
BCI31-940P	31	31P	BCI31	120	820	880	223	330	173	238	18	B0	P	48	72
BCI31-940S	31	31S	BCI31	120	820	880	223	330	173	238	18	B0	S	48	72
BCI31-990ZL	31	31Z	BCI31	135	920	990	256	330	173	238	0	B0	Z	48	72
BCI31-990ZR	31	31Z	BCI31	135	920	990	256	330	173	238	1	B0	Z	48	72
BCI65-860AL	65	65	BCI65	80	800	860	138	282	182	190	0	B08	A	48	72
BCI65-860AR	65	65	BCI65	80	800	860	138	282	182	190	1	B08	A	48	72

START- STOP/EFB

STARTER BATTERIES



EFB



30% High
Performance



Increased Vibration
Strength



Durability



+Ca Ca
Technology

START-STOP/EFB

Features

- Optimized for Start-Stop Systems
- Superior Cycle Life
- Advanced Energy Management
- Enhanced Durability
- Maintenance-Free



START - STOP /EFB

Code	Type	Bci Type	Box Type	Capacity (Ah)	Cca En (-18 C)	Cca Sae (-18 C)	Reserve Capacity	Length (Mm)	Width (Mm)	Height (Mm)	Terminal Layout	Hold Down	Terminal	Truck Pallet	Container Pallet
EFB47-650L	L2	47	L2	60	600	650	98	240	175	189	0	B13	A	64	96
EFB47-650R	L2	47	L2	60	600	650	98	240	175	189	1	B13	A	64	96
EFB41-750L	L3	41	L3	70	700	750	116	277	175	191	0	B13	A	60	78
EFB41-750R	L3	41	L3	70	700	750	116	277	175	191	1	B13	A	60	78
EFB43-860L	L4	43/94	L4	80	800	860	138	313	175	189	0	B13	A	48	72
EFB43-860R	L4	43/94	L4	80	800	860	138	313	175	189	1	B13	A	48	72
EFB49-910L	L5	49	L5	100	840	900	205	353	175	190	0	B13	A	48	72
EFB49-910R	L5	49	L5	100	840	900	205	353	175	190	1	B13	A	48	72
EFB-Q85-TL	D23	35	D23	65	520	560	96	235	178	220	0	B01	A	64	96
EFB-Q85-TR	D23	25	D23	65	520	560	96	235	178	220	1	B01	A	64	96
EFB-S95-TL	D26/N50	24	D26/N50	70	640	690	118	260	173	220	0	B01	A	64	96
EFB-S95-TR	D26/N50	24	D26/N50	70	640	690	118	260	173	220	1	B01	A	64	96
EFB-B31M660	31	31E	BCI31	90	610	660	158	330	173	238	18	B0	M	48	72
EFB-T110-TL	D31/N70	27	D31/N70	100	690	740	172	304	173	224	0	B01	A	48	72
EFB-T110-TR	D31/N70	27	D31/N70	100	690	740	172	304	173	224	1	B01	A	48	72
EFB-B31M660	31	31E	BCI31	120	820	880	223	330	173	238	18	B0	M	48	72

START- STOP/AGM

STARTER BATTERIES



%30 Higher Performance



Increased Vibration Strength



Durability



+Ca Ca Technology



EFB Technology



AGM Technology

Features

- High Performance:
- Superior Cycle Life
- Vibration Resistance
- Spill-Proof and Leak-Proof
- Low Maintenance



START-STOP/AGM

START - STOP / AGM															
Code	Type	Bci Type	Box Type	Capacity (Ah)	Cca En (-18 C)	Cca Sae (-18 C)	Reserve Capacity	Length (Mm)	Width (Mm)	Height (Mm)	Terminal Layout	Hold Down	Terminal	Truck Pallet	Container Pallet
AGM48-800	AGM L3	48	L3	70	760	800	118	277	175	191	0	B13	A	60	79

MARINE

STARTER BATTERIES



%30 Higher
Performance



Increased Vibration
Strength



Durability



+Ca Ca
Technology

Features

- High Cranking Power
- Deep-Cycle Capability:
- Vibration Resistance
- Corrosion Resistance:
- Maintenance-Free



W
Z
I
R
A
Σ

MARINE															
Code	Type	Bci Type	Box Type	Capacity (Ah)	Cca En (-18 C)	Cca Sae (-18 C)	Reserve Capacity	Length (Mm)	Width (Mm)	Height (Mm)	Terminal Layout	Hold Down	Terminal	Truck Pallet	Container Pallet
MARINE-60	EFB L2	47	L2	60	600	650	98	240	175	189	0	B13	A	64	96
MARINE-90	EFB N70	27	N70	100	690	740	172	304	173	224	0	B01	A	48	72
MARINE-120	EFB BCI31	31	BCI31	120	820	880	223	330	173	238	18	B0	M	48	72
MARINE-120	EFB A	N/A	D4/A	120	840	900	223	512	188	213	3	B03	A	28	35
MARINE-135	EFB A	N/A	D4/A	135	950	1020	256	512	188	213	3	B03	A	28	35
MARINE-150	EFB B	4D	D5/B	150	940	1010	290	512	222	215	3	B0	A	24	30
MARINE-180	EFB B	4D	D5/B	180	1130	1210	357	512	222	215	3	B0	A	24	30
MARINE-200	EFB C	8D	D6/C	200	1090	1170	395	515	275	236	3	B0	A	20	25
MARINE-225	EFB C	8D	D6/C	225	1220	1310	468	515	275	236	3	B0	A	20	25
MARINE-AGM70	AGM L3	48	L3	70	760	800	118	277	175	191	0	B13	A	60	79

NATO D7

STARTER BATTERIES



%30 Higher
Performance



Increased Vibration
Strength



Durability



+Ca Ca
Technology

Features

- Heavy Duty
- Deep Discharge Ability
- High Vibration Resistance
- High Cranking Performance
- Matrix Press
- Long Shelf Life

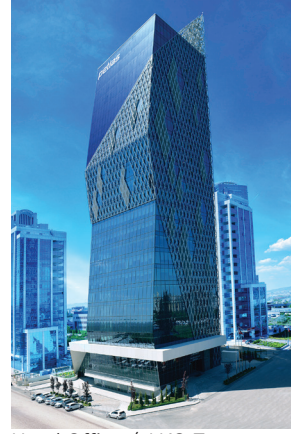


NATO D7

NATO D7													
Code	Type	Capacity (Ah)	Cca En (-18 C)	Cca Sae (-18 C)	Reserve Capacity	Length (Mm)	Width (Mm)	Height (Mm)	Terminal Layout	Hold Down	Terminal	Truck Pallet	Container Pallet
516N27000	D7	100	940	1000	179	283	268	228	2	B0	A	24	24
516N33000	D7	125	1160	1250	234	283	268	228	2	B0	A	24	24



Ako Battery Factory



Head Office / AKO Tower



Petlas Tire Factory



AKOJANT Rim Factory



AKO Tire Retreading Factory



Sumitomo Factory

TURBO
BATTERY

**WITH PUNCH
PRESS TECHNOLOGY
YOUR ENERGY
IS AT ITS PEAK!**

