

TURBO ***BATTERY***

Hit The Road



STARTER BATTERIES





✓ 5 factories

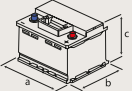
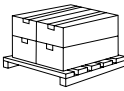
✓ 7.000 employees

DIN TYPE

Specifications

- ✓ Superior Cranking Power.
- ✓ Conforms to the original equipments of the vehicle.
- ✓ "Sealed Maintenance Free" not require the addition of water.
- ✓ Matrix Press Grid Technology.



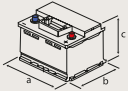
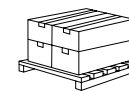
Codes	Type	BCI Type	Box Type	Ah	CCA EN (-18°C)	CCA SAE (0°F)	Reserve Capacity								
								Length (a)	Width (b)	Height (c)					
SMF-53646	LB1	99	LB1	35	350	380	52	207	174	173	0	B13	A	80	120
SMF-54321		99	LB1	45	450	480	68	207	174	173	0	B13	A	80	120
SMF-54322		99	LB1	45	450	480	68	207	174	173	1	B13	A	80	120
SMF-54017	L1	26	L1	40	400	430	61	207	174	188	0	B13	A	80	120
SMF-54459		26	L1	45	450	480	70	207	174	188	0	B13	A	80	120
SMF-54464		26	L1	45	450	480	70	207	174	188	1	B13	A	80	120
SMF-55054		26	L1	50	500	540	79	207	174	188	0	B13	A	80	120
SMF-55046	LB2	42	LB2	50	490	530	79	240	175	175	0	B13	A	64	96
SMF-55427		42	LB2	55	540	580	88	240	175	175	0	B13	A	64	96
SMF-55459		42	LB2	55	540	580	88	240	175	175	1	B13	A	64	96
SMF-55559	L2	47	L2	55	540	580	88	240	175	189	0	B13	A	64	96
SMF-55565		47	L2	55	540	580	88	240	175	189	1	B13	A	64	96
SMF-56019		47	L2	60	590	630	98	240	175	189	0	B13	A	64	96
SMF-56020		47	L2	60	590	630	98	240	175	189	1	B13	A	64	96
SMF-56219		47	L2	62	640	690	102	240	175	189	0	B13	A	64	96
SMF-56220		47	L2	62	640	690	102	240	175	189	1	B13	A	64	96
SMF-56318	LB3	48	LB3	62	640	690	106	277	175	176	0	B13	A	52	78
SMF-56828		48	LB3	66	640	690	104	277	175	176	0	B13	A	52	78
SMF-56821		48	LB3	66	640	690	104	277	175	176	1	B13	A	52	78
SMF-57113		48	LB3	70	690	740	120	277	175	176	0	B13	A	52	78
SMF-56638	L3	41	L3	70	690	740	122	277	175	191	0	B13	A	52	78
SMF-56633		41	L3	70	690	740	122	277	175	191	1	B13	A	52	78
SMF-57220		41	L3	70	690	740	122	277	175	191	0	B13	A	52	78
SMF-57219		41	L3	70	690	740	122	277	175	191	1	B13	A	52	78
SMF-57412		41	L3	72	740	790	128	277	175	191	0	B13	A	52	78
SMF-57413		41	L3	72	740	790	128	277	175	191	1	B13	A	52	78
SMF-57539	LB4	92	LB4	72	710	760	128	312	175	174	0	B13	A	48	72
SMF-58043	L4	43/94	L4	72	710	760	128	313	175	189	0	B13	A	48	72
SMF-58515	LB5	93	LB5	88	750	800	154	353	175	175	0	B13	A	48	72
SMF-58827	L5	49	L5	88	770	830	154	353	175	190	0	B13	A	48	72
SMF-58821		49	L5	88	770	830	154	353	175	190	1	B13	A	48	72
SMF-59518		49	L5	92	820	880	158	353	175	190	0	B13	A	48	72
SMF-60038		49	L5	100	900	970	179	353	175	190	0	B13	A	48	72

JIS TYPE

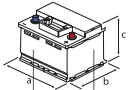
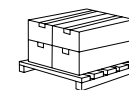
Specifications

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Codes	Type	BCI Type	Box Type	Ah	CCA EN (-18°C)	CCA SAE (0°F)	Reserve Capacity								
								Length (a)	Width (b)	Height (c)					
SMF-42B19L	B19	N/A	B19/NS40	35	280	300	52	196	136	225	0	B0	B	116	174
SMF-42B19R		N/A	B19/NS40	35	280	300	52	196	136	225	1	B0	B	116	174
SMF-42B19RS		N/A	B19/NS40	35	280	300	52	196	136	225	1	B0	A	116	174
SMF-42B19FL		N/A	B19/NS40	35	280	300	52	196	136	225	0	B01	B	116	174
SMF-42B19FR		N/A	B19/NS40	35	280	300	52	196	136	225	1	B01	B	116	174
SMF-50B24FRS	B24	51	B24 / NS60	45	360	390	68	238	134	225	1	B01	A	84	126
SMF-50B24LS		51	B24 / NS60	45	360	390	68	238	134	225	0	B0	A	84	126
SMF-50B24RS		51	B24 / NS60	45	360	390	68	238	134	225	1	B0	A	84	126
SMF-50B24L		51	B24 / NS60	45	360	390	68	238	134	225	0	B0	B	84	126
SMF-50B24R		51	B24 / NS60	45	360	390	68	238	134	225	1	B0	B	84	126
SMF-50B24FL		51	B24 / NS60	45	360	390	68	238	134	225	0	B01	B	84	126
SMF-50B24FR		51	B24 / NS60	45	360	390	68	238	134	225	1	B01	B	84	126
SMF-55B24LS		51	B24 / NS60	50	400	430	79	238	134	225	0	B0	A	84	126
SMF-55B24RS	D23	51	B24 / NS60	50	400	430	79	238	134	225	1	B0	A	84	126
SMF-55B24L		51	B24 / NS60	50	400	430	79	238	134	225	0	B0	B	84	126
SMF-55D23L		35	D23	60	600	640	100	235	178	220	0	B01	A	64	96
SMF-55D23R		25	D23	60	600	640	100	235	178	220	1	B01	A	64	96
SMF-75D23L		35	D23	62	650	700	108	235	178	220	0	B01	A	64	96
SMF-75D23R		25	D23	62	650	700	108	235	178	220	1	B01	A	64	96
SMF-75D26L		24	D26 / N50	65	620	670	104	260	173	220	0	B01	A	64	96
SMF-75D26R		24	D26 / N50	65	620	670	104	260	173	220	1	B01	A	64	96
SMF-80D26L	D26	24	D26 / N50	70	640	690	127	260	173	220	0	B01	A	64	96
SMF-80D26R		24	D26 / N50	70	640	690	127	260	173	220	1	B01	A	64	96



Codes	Type	BCI Type	Box Type	Ah	CCA EN (-18°C)	CCA SAE (0°F)	Reserve Capacity								
								Length (a)	Width (b)	Height (c)					
SMF-95D31-FL	D31	27	D31 / N70	80	530	570	138	304	173	224	0	B01	A	48	72
SMF-95D31-FR		27	D31 / N70	80	530	570	138	304	173	224	1	B01	A	48	72
SMF-105D31FL		27	D31 / N70	90	640	690	167	304	173	224	0	B01	A	48	72
SMF-105D31FR		27	D31 / N70	90	640	690	167	304	173	224	1	B01	A	48	72
SMF-115D31FL		27	D31 / N70	100	690	740	172	304	173	224	0	B01	A	48	72
SMF-115D31FR		27	D31 / N70	100	690	740	172	304	173	224	1	B01	A	48	72

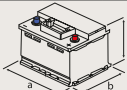
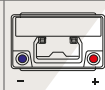
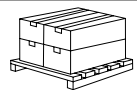
HEAVY DUTY

Features

Turbo Heavy Duty Battery is a robust heavy-duty starter battery, engineered for applications where reliability and power are essential. It offers exceptional starting power and longevity, meeting the demands of commercial and industrial vehicles.

- ✓ **Superior Cranking Power:** Delivers high cranking power for reliable starting, even in harsh conditions.
- ✓ **Enhanced Durability:** Designed to withstand the rigorous demands of heavy-duty use.
- ✓ **Vibration and Shock Resistance:** Reinforced casing for high resistance to vibrations and shocks.
- ✓ **Maintenance-Free:** Sealed, leak-proof design for hassle-free usage.
- ✓ **Fast Recharge:** Capable of quick recharge for convenience and efficiency.



Codes	Type	BCI Type	Box Type	Ah	CCA EN (-18°C)	CCA SAE (0°F)	Reserve Capacity								
								Length (a)	Width (b)	Height (c)				Truck Pallet	Container Pallet
MF-62034	N120	N/A	D4/A	120	840	900	227	512	189	213	3	B03	A	28	42
MF-63530	N135	N/A	D4/A	135	930	1000	259	512	189	213	3	B03	A	28	42
MF-65017	N150	4D	D5/B	150	1000	1070	292	512	222	215	3	B0	A	24	36
MF-66514	N165	4D	D5/B	165	1080	1160	324	512	222	215	3	B0	A	24	36
MF-68032	N180	4D	D5/B	180	1130	1210	357	512	222	215	3	B0	A	24	36
MF-70027	N200	8D	D6/C	200	1180	1260	398	515	275	236	3	B0	A	20	30
MF-70029	N200	8D	D6/C	200	1180	1260	398	515	275	236	4	B0	A	20	30
MF-72511	N225	8D	D6/C	225	1240	1330	460	515	275	236	3	B0	A	20	30
MF-74050	N240	8D	D6/C	240	1300	1400	495	515	275	236	3	B0	A	20	30

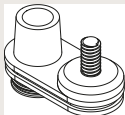
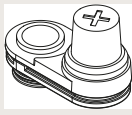
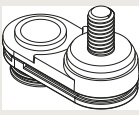
BCI31/BCI65

Features

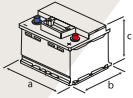
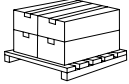
Turbo BCI Group 31 is a robust BCI Group 31 starter battery, engineered for high-demand applications where power and reliability are paramount. This high-performance battery ensures swift, reliable starts and superior deep cycling capabilities, offering both power and endurance in one package.

Turbo BCI Group 65 is a starter battery, meticulously engineered for vehicles that require superior cranking power. This high-performance battery guarantees reliable starts and stable power delivery for all your vehicle's energy needs.

- ✓ **High Cranking Power:** Delivers outstanding starting power, ensuring reliable starts in any weather condition.
- ✓ **Deep-Cycle Capability:** Provides exceptional deep cycling capabilities for heavy-duty applications.
- ✓ **Vibration Resistance:** Reinforced design for resistance to high impact shocks and vibrations.
- ✓ **Maintenance-Free:** Sealed, leak-proof design for hassle-free use and long service life.
- ✓ **Quick Recharge:** Capable of fast recharge for convenience and efficiency.

	Marine Type	Post Type	Stud Type
Terminal			



Codes	Type	BCI Type	Box Type	Ah	CCA EN (-18°C)	CCA SAE (0°F)	Reserve Capacity								
								Length (a)	Width (b)	Height (c)				Truck Pallet	Container Pallet
BCI31	31	30H	BCI31	90	770	830	158	330	173	238	18	B0	POST	48	72
BCI31	31	30H	BCI31	115	990	1060	223	330	173	238	18	B0	POST	48	72
BCI31	31	31S	BCI31	90	770	830	158	330	173	238	18	B0	STUD	48	72
BCI31	31	31S	BCI31	115	990	1060	223	330	173	238	18	B0	STUD	48	72
BCI31	31	31M	BCI31	110	770	830	201	330	173	238	18	B0	DUAL	48	72
BCI31	31	31M	BCI31	125	940	1010	234	330	173	238	18	B0	DUAL	48	72
BCI65	65	65	BCI65	80	800	860	138	282	182	190	1	B08	A	48	72
BCI65	65	65	BCI65	80	800	860	138	282	182	190	0	B08	A	48	72

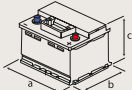
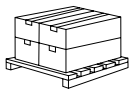
START- STOP/EFB

Features

Turbo EFB Battery is designed to meet the energy demands of modern vehicles with start-stop systems and energy recuperation. It offers superior performance, excellent reliability, and long service life.

- ✓ **Optimized for Start-Stop Systems:** Engineered to handle frequent engine start-stops. Provides quick, reliable starts and keeps your electronics going even with the engine off.
- ✓ **Superior Cycle Life:** Designed to provide double the endurance of conventional batteries. Ideal for vehicles with high energy demands.
- ✓ **Advanced Energy Management:** Efficient power delivery and improved energy recuperation for a smoother, more fuel-efficient drive.
- ✓ **Enhanced Durability:** Withstands extreme conditions and vibrations.
- ✓ **Maintenance-Free:** Sealed, leak-proof design requires no water top-ups or regular maintenance.



															
Codes	Type	BCI Type	Box Type	Ah	CCA EN (-18°C)	CCA SAE (0°F)	Reserve Capacity				Layout	Hold Down	Terminal		
								Length (a)	Width (b)	Height (c)				Truck Pallet	Container Pallet
EFB 47-560	L2	47	L2	60	540	580	98	240	175	189	0/1	B13	A	64	96
EFB 48-650	LB3	48	LB3	65	580	620	108	277	175	176	0/1	B13	A	52	78
EFB 41-680	L3	41	L3	70	600	650	116	277	175	191	0/1	B13	A	52	78
EFB 92-730	LB4	92	LB4	80	710	760	138	312	175	174	0/1	B13	A	48	72
EFB 49-920	L5	49	L5	100	780	840	179	353	175	190	0/1	B13	A	48	72
EFB-Q85-T	D23	35/25	D23	65	520	560	96	235	178	220	0/1	B01	A	64	96
EFB-S95-T	D26	24	N50	70	640	690	118	260	173	220	0/1	B01	A	64	96
EFB-T110-T	D31	27	N70	100	690	740	172	304	173	224	0/1	B01	A	48	72

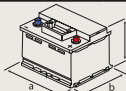
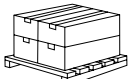
START- STOP /AGM

Features

Turbo AGM Battery is a premium Absorbent Glass Mat (AGM) battery that offers superior performance, extended lifespan, and exceptional reliability. Perfectly suited for vehicles with higher power demands, this battery ensures optimum delivery of power for your electronics and engines.

- ✓ **High Performance:** Our AGM technology provides high power output and strong cranking power for reliable starting.
- ✓ **Superior Cycle Life:** Offers an extended lifespan, making it a cost-effective solution in the long run.
- ✓ **Vibration Resistance:** The tightly packed AGM design provides increased resistance to vibrations and shocks.
- ✓ **Spill-Proof and Leak-Proof:** The sealed construction ensures safety by preventing spills and leaks.
- ✓ **Low Maintenance:** AGM design minimizes water loss, making our batteries virtually maintenance-free.



															
Codes	Type	BCI Type	Box Type	Ah	CCA EN (-18°C)	CCA SAE (0°F)	Reserve Capacity Ah								
								Length (a)	Width (b)	Height (c)	Layout	Hold Down	Terminal	Truck Pallet	Container Pallet
AGM.L3	L3	48	L3	70	760	800	118	277	175	191	0	B13	A	60	78

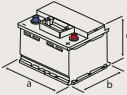
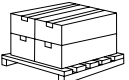
MARINE

Features

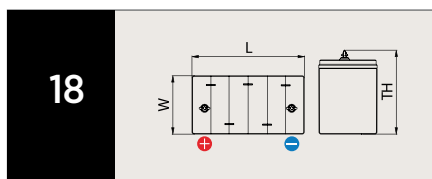
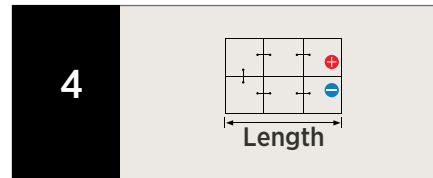
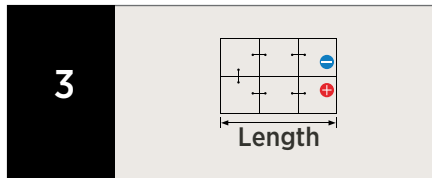
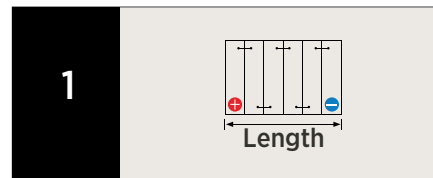
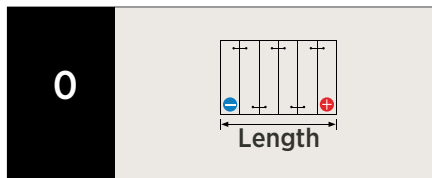
Turbo Marine Battery is an exceptional marine battery engineered for durability and reliability even in the harshest marine environments. It delivers efficient power for all onboard electronics and motor starting. The rugged design ensures a long lifespan and exceptional performance.

- ✓ **High Cranking Power:** Provides dependable starts with high cranking power.
- ✓ **Deep-Cycle Capability:** Designed for prolonged discharges and recharges, essential for running onboard electronics and appliances.
- ✓ **Vibration Resistance:** Reinforced casing for resistance to high impact shocks and vibrations, a common occurrence in marine environments.
- ✓ **Corrosion Resistance:** Special design to resist corrosion caused by saltwater and high humidity.
- ✓ **Maintenance-Free:** Sealed, leak-proof design for hassle-free use.



Codes	Type	BCI Type	Box Type	Ah	CCA EN (-18°C)	CCA SAE (0°F)	Reserve Capacity								
								Length (a)	Width (b)	Height (c)				Truck Pallet	Container Pallet
BCI31	31	30H	BCI31	90	770	830	158	330	173	238	18	B0	POST	48	72
BCI31	31	30H	BCI31	115	990	1060	223	330	173	238	18	B0	POST	48	72
BCI31	31	31S	BCI31	90	770	830	158	330	173	238	18	B0	STUD	48	72
BCI31	31	31S	BCI31	115	990	1060	223	330	173	238	18	B0	STUD	48	72
BCI31	31	31M	BCI31	110	770	830	201	330	173	238	18	B0	DUAL	48	72
BCI31	31	31M	BCI31	125	940	1010	234	330	173	238	18	B0	DUAL	48	72
L5	L5	49	L5	90	760	810	158	353	175	190	0	B13	A	48	72
D5/B	D5/B	4D	D5/B	180	1000	1070	357	512	222	215	3	B0	A	24	36
D6/C	D6/C	8D	D6/C	200	1000	1070	398	515	275	236	3	B0	A	20	30

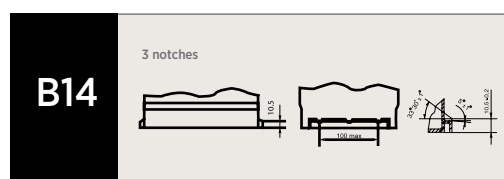
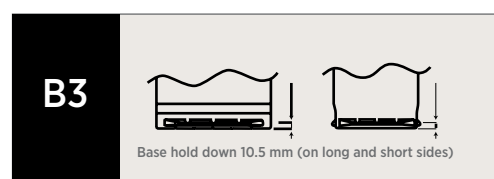
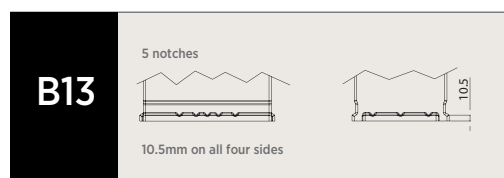
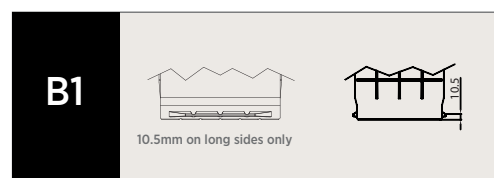
LAYOUT



TERMINAL

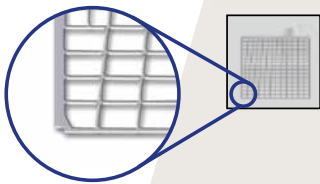
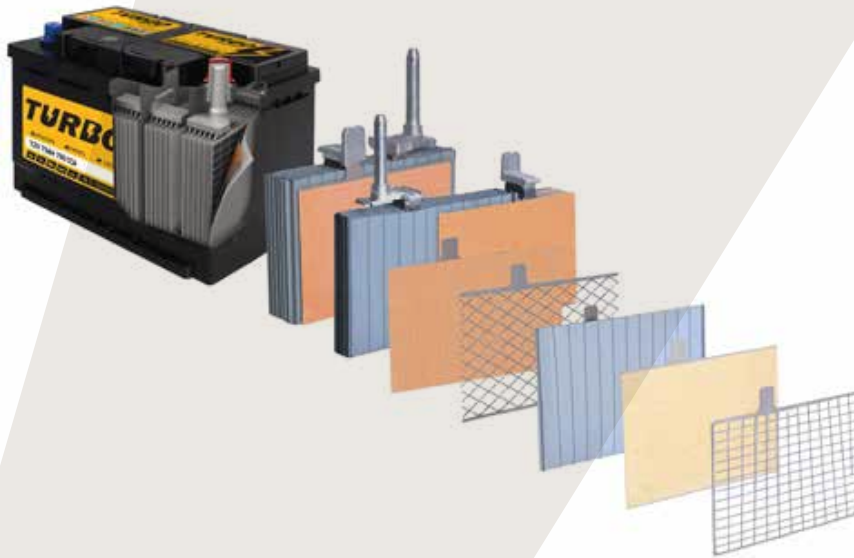
Terminal	A (Standart)	B (Small)	Stud	Dual
Positive			 3/8"-16 Thread	
Negative			 3/8"-16 Thread	

HOLD DOWN



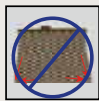
For B0 there is no Hold-Down

MATRIX PRESS TECHNOLOGY



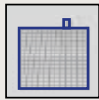
NO SHORT CIRCUIT, THANKS TO MATRIX PRESS

Short circuit resulting from bended corners which puncture envelopes. Prevented by MATRIX PRESS technology solid frame.



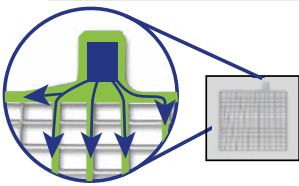
NO GRID GROWTH, THANKS TO MATRIX PRESS

Grid growth resulting from overheat, overcharge, etc. prevented by MATRIX PRESS Technology.



HIGH MECHANICAL STRENGTH

Thanks to MATRIX PRESS technology providing extra strength with the help of special alloy and special grid design.



EMPOWERED BATTERY PERFORMANCE & DURABILITY WITH SPECIAL STRAP DESIGN.

Reinforced frame and stout wire design beneath the lug, empowers the battery performance and result durability.



EXTRA RESISTANCE AGAINST VIBRATION

Super Vibration Proof ability available on request. Where cells are fitted with special fixers to resist sharp bumps and continuous vibration.

MATRIX PRESS is the latest and continuous process in plate production technology. MATRIX PRESS technology provides the best quality product comparing to all other production methods.

MATRIX PRESS products are calcium calcium, absolute maintenance free and has long life with deep cycle abilities.



TURBO
BATTERY

📍 Battery Factory:Yakınkent OSB 2. Cad. 1.Sok. No.1 Tüney Köyü Mevki, Çankırı/TÜRKİYE

☎ Phone: +90 850 285 69 40

Email: export@akoaku.com

📍 Head Office: AKO Kule, Söğütözü Mah. 2178. Cadde No:6 Çankaya, Ankara/TÜRKİYE

☎ Phone: +90 312 309 30 30

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