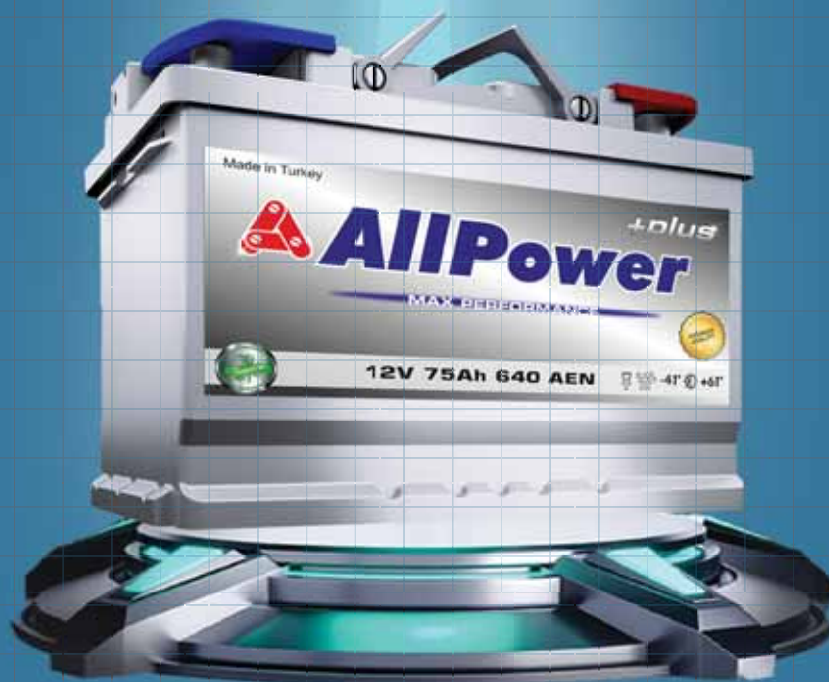


# **AlbiPower** Battery



*from strength to strength*

 *Albi Group Inc.*

# About the Company

Albi Group Inc. is one of the leading producers & exporter of automotive batteries in Turkey since 1976. Operating internationally to provide the demand of our clients spread below,

Middle East  
Arabian Peninsula  
Africa  
Asia  
Europe  
America

AllPower Battery is recognized for creating superior values and best for customers enabling varied business interests of automotive batteries with powerful and modern distribution capabilities and superior service and innovation uninterrupted.

For Albi Group Inc., the human capital is the biggest asset. Therefore, we strive to ensure that we attract and retain the best quality in industry. As in the business world, the master of the game is the prices. We are most confident company by offering our products with best prices available to your market.

Exporting our automotive batteries on time according to schedule arranged by our clients with extreme care of packaging system. Our strength is derived from our clients over 47 years of trust and confidence on AllPower Battery.

Our goal is to make a long term & mutual cooperation with you.

***The Power you need  
is here!***



Go further with a AllPower Battery wherever you are!



 **AllPower**  
Japanese Battery Series



 **AllPower**  
European Battery Series

Trust always in a power the lasts for long!



 **AllPower**  
American Battery Series



 **AllPower**  
Heavy Duty Battery Series

# Batteries for Japanese-Type Passenger Cars



	CODE	JIS GROUP	BCI GROUP	NEW JIS CODE	OLD JIS CODE	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
							C20	C5	RC	A EN (°C)	CA (°C)	HCA (°C)	SAE (°C)	LENGTH	WIDTH	HEIGHT				
JIS - SMF	65362038J	NS40		40B19L	NS40ZL	12	36	29	54	300	360	400	330	197	128	225	0	3	B00	
	65362039J	NS40		40B19R	NS40Z	12	36	29	54	300	360	400	330	197	128	225	1	3	B00	
	65362047J	NS40		40B19LS	NS40ZLS	12	36	29	54	300	360	400	330	197	128	225	0	1	B00	
	65362059J	NS40		40B19RS	NS40ZS	12	36	29	54	300	360	400	330	197	128	225	1	1	B00	
	65402012J	NS60			N40L	12	40	32	61	350	420	470	360	236	128	225	0	3	B00	
	65402022J	NS60			N40	12	40	32	61	350	420	470	360	236	128	225	1	3	B00	
	65422025J	NS40				12	42	34	64	350	420	470	360	197	128	225	0	3	B00	
	65422026J	NS40				12	42	34	64	350	420	470	360	197	128	225	1	3	B00	
	65422031J	NS40				12	42	34	64	350	420	470	360	197	128	225	0	1	B00	
	65422037J	NS40				12	42	34	64	350	420	470	360	197	128	225	1	1	B00	
	65452091J	NS60		50B24L	NS60L	12	45	36	70	380	480	530	410	236	128	225	0	3	B00	
	65452096J	NS60		50B24R	NS60	12	45	36	70	380	480	530	410	236	128	225	1	3	B00	
	65452083J	NS60	51R	50B24LS	NS60LS	12	45	36	70	380	480	530	410	236	128	225	0	1	B00	
	65452084J	NS60	51	50B24RS	NS60S	12	45	36	70	380	480	530	410	236	128	225	1	1	B00	
	65502102J	N50	24R	48D26L	N50L	12	50	40	79	450	540	600	490	260	170	225	0	1	B00	11
	65502103J	N50	24	48D26R	N50	12	50	40	79	450	540	600	490	260	170	225	1	1	B00	11
	65552126J	D23	35			12	55	44	88	480	580	640	520	230	172	225	0	1	B00	11
	65552128J	D23	25			12	55	44	88	480	580	640	520	230	172	225	1	1	B00	11
	65602154J	NS60				12	60	48	98	470	560	620	500	236	128	225	0	3	B00	
	65602155J	NS60				12	60	48	98	470	560	620	500	236	128	225	1	3	B00	
	65602170J	NS60	51R			12	60	48	98	470	560	620	500	236	128	225	0	1	B00	
	65602171J	NS60	51			12	60	48	98	470	560	620	500	236	128	225	1	1	B00	
	65602172J	D23	35	55D23L	55D23L	12	60	48	98	540	650	720	550	230	172	225	0	1	B00	11
	65602173J	D23	25	55D23R	55D23R	12	60	48	98	540	650	720	550	230	172	225	1	1	B00	11
	65602174J	N50	24R	55D26L	N50ZL	12	60	48	98	540	650	720	550	260	170	225	0	1	B00	11
	65602175J	N50	24	55D26R	N50Z	12	60	48	98	540	650	720	550	260	170	225	1	1	B00	11
	65652019J	N50	24R	75D26L	NS70L	12	65	52	108	580	700	770	620	260	170	225	0	1	B00	11
	65652020J	N50	24	75D26R	NS70	12	65	52	108	580	700	770	620	260	170	225	1	1	B00	11
	65702062J	N50	24R	80D26L	NX110-5L	12	70	56	118	620	740	820	680	260	170	225	0	1	B00	11
	65702063J	N50	24	80D26R	NX110-5	12	70	56	118	620	740	820	680	260	170	225	1	1	B00	11
	65702064J	N70	27R	65D31L	N70L	12	70	56	118	620	740	820	680	306	176	225	0	1	B00	11
	65702065J	N70	27	65D31R	N70	12	70	56	118	620	740	820	680	306	176	225	1	1	B00	11
	65752040J	N70	27R	75D31L	N70ZL	12	75	60	128	650	780	860	700	306	176	225	0	1	B00	11
	65802037J	N50	24R			12	80	64	138	650	780	860	700	260	170	225	0	1	B00	11
	65802031J	N50	24			12	80	64	138	650	780	860	700	260	170	225	1	1	B00	11
	65802038J	N70	27R	95D31L	NX110-7L	12	80	64	138	650	780	860	700	306	176	225	0	1	B00	11
	65802039J	N70	27	95D31R	NX110-7	12	80	64	138	650	780	860	700	306	176	225	1	1	B00	11
	65902069J	N70	27R	105D31L	105D31L	12	90	72	158	720	860	960	780	306	176	225	0	1	B00	11
	65902070J	N70	27	105D31R	105D31R	12	90	72	158	720	860	960	780	306	176	225	1	1	B00	11
	66002094J	N70	27R			12	100	80	179	800	960	1060	860	306	176	225	0	1	B00	11
	66002134J	N70	27R			12	100	80	179	800	960	1060	860	306	176	225	1	1	B00	11

B01 Hold down is available for all types.





# Batteries for Japanese-Type Passenger Cars



JIS - MF	CODE	JIS GROUP	BCI GROUP	NEW JIS CODE	OLD JIS CODE	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
							C20	C5	RC	A EN (°C)	CA (°C)	HCA (°C)	SAE (°C)	LENGTH	WIDTH	HEIGHT				
	85502149 J	N50	24R	48D26L	N50L	12	50	40	79	450	540	600	490	260	170	225	0	1	B00	11
	85602243J	N50	24R	55D26L	N50ZL	12	60	48	98	540	650	720	550	260	170	225	0	1	B00	11
	85652022J	N50	24R			12	65	52	108	580	700	770	620	260	170	225	0	1	B00	11
	85702106 J	N50	24R	80D26L	NX110-5L	12	70	56	118	620	740	820	680	260	170	225	0	1	B00	11
	85702028J	N70	27R		N70L	12	70	56	118	620	740	820	680	306	176	225	0	1	B00	11
	85752074J	N70	27R			12	75	60	128	650	780	860	700	306	176	225	0	1	B00	11
	85802063J	N50	24R			12	80	64	138	650	780	860	700	260	170	225	0	1	B00	11
	85802064J	N70	27R	95D31L	NX110-7L	12	80	64	138	650	780	860	700	306	176	225	0	1	B00	11
	85902097J	N70	27R	105D31L		12	90	72	158	720	860	960	780	306	176	225	0	1	B00	11
	86002132 J	N70	27R			12	100	80	179	800	960	1060	860	306	176	225	0	1	B00	11

B01 Hold down is available for all types.



# Batteries for European-Type Passenger Cars



	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
					C20	C5	RC	A EN (-18°C)	CA (0°C)	HCA (22°C)	SAE (-18°C)	LENGHT	WIDTH	HEIGHT				
SMF	55362026E	L1B	99R	12	36	29	54	300	360	400	330	207	175	175	0	1	B13	24
	55442021 E	L1		12	44	35	68	400	460	510	430	207	175	190	0	1	B13	
	55452152 E	L1		12	45	36	70	400	460	510	430	207	175	190	0	1	B13	
	55452155 E	L1B	99R	12	45	36	70	400	460	510	430	207	175	175	0	1	B13	24
	55452001 E	L2B	90	12	45	36	70	400	460	510	430	242	175	175	0	1	B13	24
	55502008E	L1		12	50	40	79	460	520	600	500	207	175	190	0	1	B13	
	55502007E	L2	47	12	50	40	79	460	520	600	500	242	175	190	0	1	B13	24
	55552016 E	L2	47	12	55	44	88	510	580	640	560	242	175	190	0	1	B13	24
	55552009E	L2B	90	12	55	44	88	510	580	640	560	242	175	175	0	1	B13	24
	55602048E	L2	47	12	60	48	98	540	620	700	580	242	175	190	0	1	B13	24
	55602119 E	L2B	90	12	60	48	98	540	620	700	580	242	175	175	0	1	B13	24
	55662009E	L3	48	12	66	53	110	560	650	720	610	278	175	190	0	1	B13	24
	55662004E	L3B	91	12	66	53	110	560	650	720	610	278	175	175	0	1	B13	24
	55722014 E	L3	48	12	72	58	122	600	700	760	640	278	175	190	0	1	B13	24
	55742049E	L3	48	12	74	59	126	640	760	820	700	278	175	190	0	1	B13	24
	55752068E	L3	48	12	75	60	128	640	760	820	700	278	175	190	0	1	B13	24
	55752065E	L3B	91	12	75	60	128	640	760	820	700	278	175	175	0	1	B13	24
	55882007E	L5	49	12	88	70	154	740	850	900	790	353	175	190	0	1	B13	24
	55882031 E	L5B	93	12	88	70	154	740	850	900	790	353	175	175	0	1	B13	24
	56002030E	L5	49	12	100	80	179	820	950	980	880	353	175	190	0	1	B13	24
	56002074E	L5B	93	12	100	80	179	820	950	980	880	353	175	175	0	1	B13	24

Reverse polarity are available for all types.



# Batteries for European-Type Passenger Cars



	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
					C20	C5	RC	A EN (-18°C)	CA (0°C)	HCA (25°C)	SAE (-18°C)	LENGTH	WIDTH	HEIGHT				
MF	75362015 E	L1B	99R	12	36	29	54	300	360	400	330	207	175	175	0	1	B13	24
	75402009E	L0		12	40	32	61	330	380	420	360	175	175	190	0	1	B03	
	75442030E	L1		12	44	35	68	400	460	510	430	207	175	190	0	1	B13	
	75452019 E	L1		12	45	36	70	400	460	510	430	207	175	190	0	1	B13	
	75452121 E	L1	26R	12	45	36	70	400	460	510	430	207	175	190	0	1	B14	11
	75452149 E	L1B	99R	12	45	36	70	400	460	510	430	207	175	175	0	1	B13	24
	75452104 E	L2B	90	12	45	36	70	400	460	510	430	242	175	175	0	1	B13	24
	75502013 E	L1		12	50	40	79	460	520	600	500	207	175	190	0	1	B13	
	75502010 E	L2	47	12	50	40	79	460	520	600	500	242	175	190	0	1	B13	24
	75552011 E	L2	47	12	55	44	88	510	580	640	560	242	175	190	0	1	B13	24
	75552070E	L2B	90	12	55	44	88	510	580	640	560	242	175	175	0	1	B13	24
	75602042E	L2	47	12	60	48	98	540	620	700	580	242	175	190	0	1	B13	24
	75602066E	L2B	90	12	60	48	98	540	620	700	580	242	175	175	0	1	B13	24
	75662010 E	L3	48	12	66	53	110	560	650	720	610	278	175	190	0	1	B13	24
	75662085E	L3B	91	12	66	53	110	560	650	720	610	278	175	175	0	1	B13	24
	75722018 E	L3	48	12	72	58	122	600	700	760	640	278	175	190	0	1	B13	24
	75742010 E	L3	48	12	74	59	126	640	760	820	700	278	175	190	0	1	B13	24
	75752047E	L3	48	12	75	60	128	640	760	820	700	278	175	190	0	1	B13	24
	75752042E	L3B	91	12	75	60	128	640	760	820	700	278	175	175	0	1	B13	24
	75752002E	L4B	92	12	75	60	128	640	760	820	700	315	175	175	0	1	B13	24
	75802022E	L4	94R	12	80	64	138	740	850	900	790	315	175	190	0	1	B13	24
	75802025E	L4B	92	12	80	64	138	740	850	900	790	315	175	175	0	1	B13	24
	75802023E	L4B	92	12	80	64	138	640	760	820	700	315	175	175	0	1	B13	24
	75882008E	L5	49	12	88	70	154	740	850	900	790	353	175	190	0	1	B13	24
	75882011 E	L5B	93	12	88	70	154	740	850	900	790	353	175	175	0	1	B13	24
	76002029E	L5	49	12	100	80	179	820	950	980	880	353	175	190	0	1	B13	24
	76002028E	L5B	93	12	100	80	179	820	950	980	880	353	175	175	0	1	B13	24

Reverse polarity are available for all types.

# Batteries for American-Type Passenger Cars

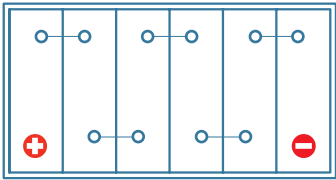


MODEL REF.	CAPACITY		CCA		DIMENSIONS					
BCI	AH	RC	SAE	A(EN)	LENGTH (MM)	WIDTH (MM)	HEIGHT (MM)	LAYOUT	TERMINAL	HOLD DOWN
31/31S/31A/30H	75	126	700	660	330	172	238	1	STD/SCREW	B00/B03
	80	132	740	700	330	172	238	1	STD/SCREW	B00/B03
	82	148	780	740	330	172	238	1	STD/SCREW	B00/B03
	85	154	820	760	330	172	238	1	STD/SCREW	B00/B03
	90	166	850	800	330	172	238	1	STD/SCREW	B00/B03
	95	178	900	860	330	172	238	1	STD/SCREW	B00/B03
	100	190	940	910	330	172	238	1	STD/SCREW	B00/B03
	105	194	980	950	330	172	238	1	STD/SCREW	B00/B03
65	70	116	660	640	288	198	191	1	STD	B00/B01
	75	124	720	680	288	198	191	1	STD	B00/B01
	80	131	750	710	288	198	191	1	STD	B00/B01





LAYOUT



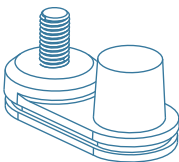
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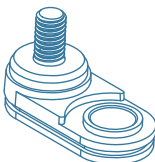
TERMINAL



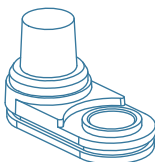
STD



DUAL



SCREW



STANDARD

BASE HOLD DOWN (BHD)



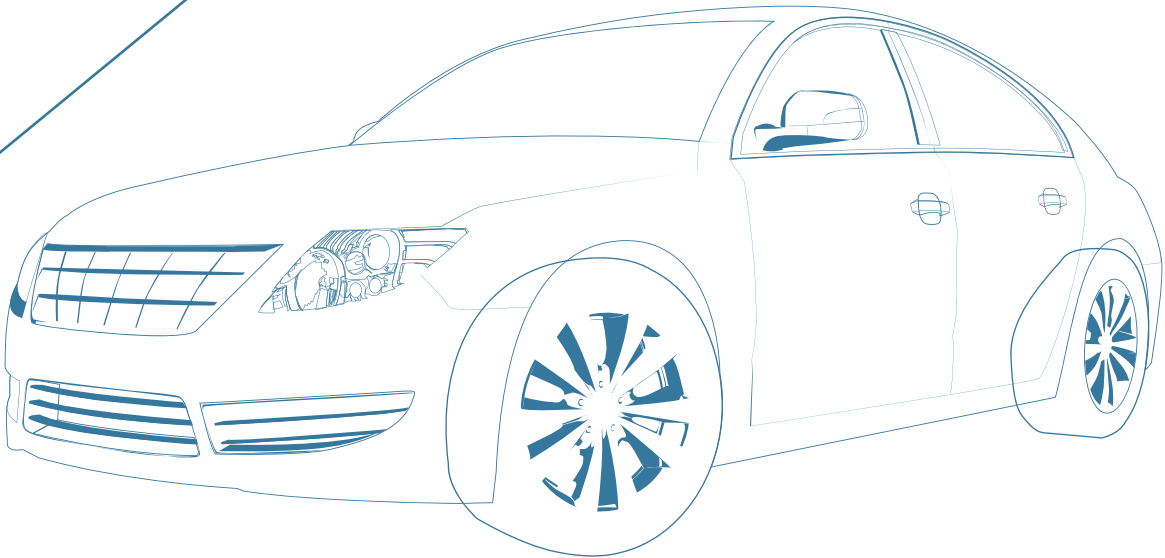
B00



B01



B03



# Batteries for Heavy Duty Type

Commercial Vehicles



SHD	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
					C20	C5	RC	A EN (-18°C)	CA (0°C)	HCA (22°C)	SAE (-18°C)	LENGHT	WIDTH	HEIGHT				
	96802072H	B	4D	12	180	144	360	1150	1300	1500	1250	513	223	223	3	1	B00	8
	97002053H	C	8D	12	200	160	407	1200	1360	1560	1310	518	276	242	3	1	B00	8
	97102043 H	C	8D	12	210	168	432	1200	1360	1560	1310	518	276	242	3	1	B00	8
	97252046H	C	8D	12	225	180	468	1250	1410	1630	1360	518	276	242	3	1	B00	8
	97402005H	C	8D	12	240	192	505	1250	1410	1630	1360	518	276	242	3	1	B00	8

Reverse polarity are available for all types.

HD	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
					C20	C5	RC	A EN (-18°C)	CA (0°C)	HCA (22°C)	SAE (-18°C)	LENGHT	WIDTH	HEIGHT				
	95902023H	H3		12	90	72	158	600	680	780	650	324	175	227	0	1	B03	
	96052016 H	H4		12	105	84	190	700	790	910	760	346	175	230	0	1	B03	
	96052028H	D2		12	105	84	190	700	790	910	760	349	175	235	0	1	B01	
	96102003 H	D2		12	110	88	201	750	850	980	820	349	175	235	0	1	B01	
	96152004 H	D2		12	115	92	212	800	900	1040	870	349	175	235	0	1	B01	
	96202073H	D4A		12	120	96	223	800	900	1040	870	513	189	223	3	1	B03	
	96352052H	D4A		12	135	108	256	900	1020	1170	980	513	189	223	3	1	B03	
	96502034H	B	4D	12	150	120	290	950	1070	1240	1040	513	223	223	3	1	B00	8
	96652039H	B	4D	12	165	132	324	1000	1130	1300	1090	513	223	223	3	1	B00	8
	96802002H	B	4D	12	180	144	360	1100	1240	1430	1200	513	223	223	3	1	B00	8
	97002020H	C	8D	12	200	160	407	1150	1300	1500	1250	518	276	242	3	1	B00	8
	97102045 H	C	8D	12	210	168	432	1150	1300	1500	1250	518	276	242	3	1	B00	8
	97252025H	C	8D	12	225	180	468	1200	1360	1560	1310	518	276	242	3	1	B00	8
	97402004H	C	8D	12	240	192	505	1200	1360	1560	1310	518	276	242	3	1	B00	8

Reverse polarity are available for all types.

SMF	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY(AH)			CCA		DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN	HOLD DOWN (BCI)
					C20	C5	RC	A EN (-18°C)	SAE (-18°C)	LENGHT	WIDHT	HEIGHT				
	96202002H	A(D4)		12	120	96	223	800	860	513	188	223	3	1	B00	
	96352002H	A(D4)		12	135	108	256	860	930	513	188	223	3	1	B00	
	96502081 H	B(D5)	4D	12	150	120	290	900	970	513	223	223	3	1	B00	8
	96652011 H	B(D5)	4D	12	165	132	324	980	1060	513	223	223	3	1	B00	8
	96802009H	B(D5)	4D	12	180	144	360	1050	1130	513	223	223	3	1	B00	8
	97002006H	C(D6)	8D	12	200	160	407	1130	1220	518	276	242	3	1	B00	8
	97102003 H	C(D6)	8D	12	210	168	432	1150	1240	518	276	242	3	1	B00	8
	97252004H	C(D6)	8D	12	225	180	468	1230	1330	518	276	242	3	1	B00	8

BCI 31	CODE	DIN GROUP	BCI GROUP	VOLTAGE	CAPACITY (AH)			CCA				DIMENSIONS			LAYOUT	TERMINAL TYPE	HOLD DOWN
					C20	C5	RC	A EN (-18°C)	CA (0°C)	HCA (-25°C)	SAE (-18°C)	LENGHT	WIDTH	HEIGHT			
	5902015 T	BCI31	31S	12	90	72	158	720	860	960	780	330	172	238	1	Stud	B00
	6002027T	BCI31	31A	12	100	80	179	800	960	1060	860	330	172	238	1	Stud	B00
	6002042T	BCI31	31A	12	100	80	179	800	960	1060	860	330	172	238	1	Std. Stud	B00



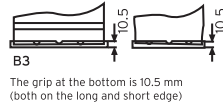
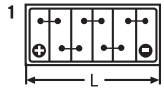
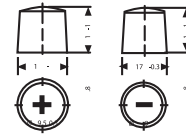
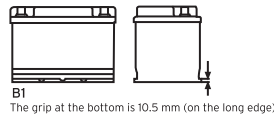
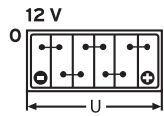
# Technical Data

## Form of Assembly

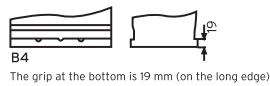
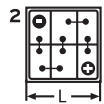
## Casing types

## Terminal types

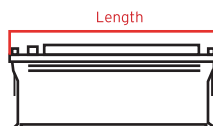
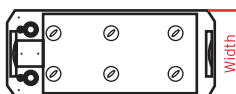
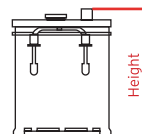
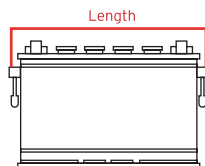
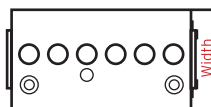
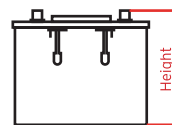
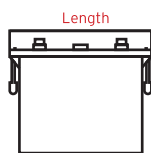
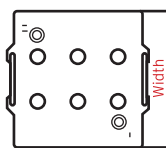
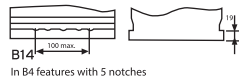
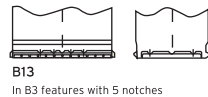
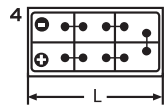
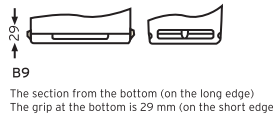
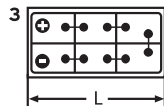
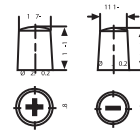
1 tapered terminal in compliance with DIN 72311 T.4



BCI 31 type terminal



3 small-scale cambered terminals (Japanese type)



## OPTIONAL FEATURES

- SMF : Without Plugs
- MF : With Plugs
- HD : Heavy Duty
- SHD : Super Heavy Duty (3rd Level EN-Compliant Friction)
- RF : Resistant to Friction
- SRF : Super Resistant to Friction



## | The AllPower Difference

The AllPower Sealed Maintenance Free (SMF) and Maintenance Free (MF) Batteries manufacturing and design process differs from most other conventional batteries in several strategic ways.

**AllPower Batteries use wrought lead-calcium expended grids that provide:**

- Corrosion resistance
- Long shelf life
- Maintenance free usage
- Resistance to overcharge

Most other conventional batteries use cast antimony grids which make the battery more susceptible to corrosion and water loss.

## | AllPower SMF (Sealed Maintenance Free) Batteries Advantages

- Have a very low self-discharge
- Stored at constant elevated temperatures (35°C) have a shelf life of the mentioned degree
- Twice times longer than conventional wet antimony batteries
- Cold temperatures are not harmful to AllPower Sealed Maintenance Free Batteries when they are fully charged.

## **Sealed Maintenance Free**

### **Polypropylene Case**

Combines light weight with high impact strength

### **Heat Sealed Covers**

Help prevents electrolyte contamination and increase case strength

### **Inbuilt Hydrometer**

Indicates state of charge at glance

Preventing from electrolyte contamination and increase case strength

### **Separator Envelopes**

Encapsulate plates to prevent shorting

## | Maintenance Free (MF) Batteries

AllPower Maintenance Free (MF) Batteries feature lead-calcium expended grids (Lead-calcium technology) for resistance to corrosion. Overcharging, gassing, water usage, self-discharge and thermal runaway limit battery life in conventional lead antimony batteries.

### **Polypropylene Case**

Combines light weight with high impact strength

### **Heat Sealed Covers**

Help prevents electrolyte contamination and increase case strength

### **Access Caps**

Enables you to check the water (acid) level and maintain encapsulate plates to prevent shorting

### **Separator Envelopes**

Encapsulate plates to prevent shorting

## | Taking Care of your Car Battery

- Ensure that the battery is properly fastened
- Check the electrolyte in your car battery
- Turn off the electrical components when not in use
- Check for the corrosion





Highest level of product warranty in compliance with all standards including TSE, EN, BCI, JIS, DIN, IEC, SAE, etc.

Cranking power enhanced by %20 For high performance.



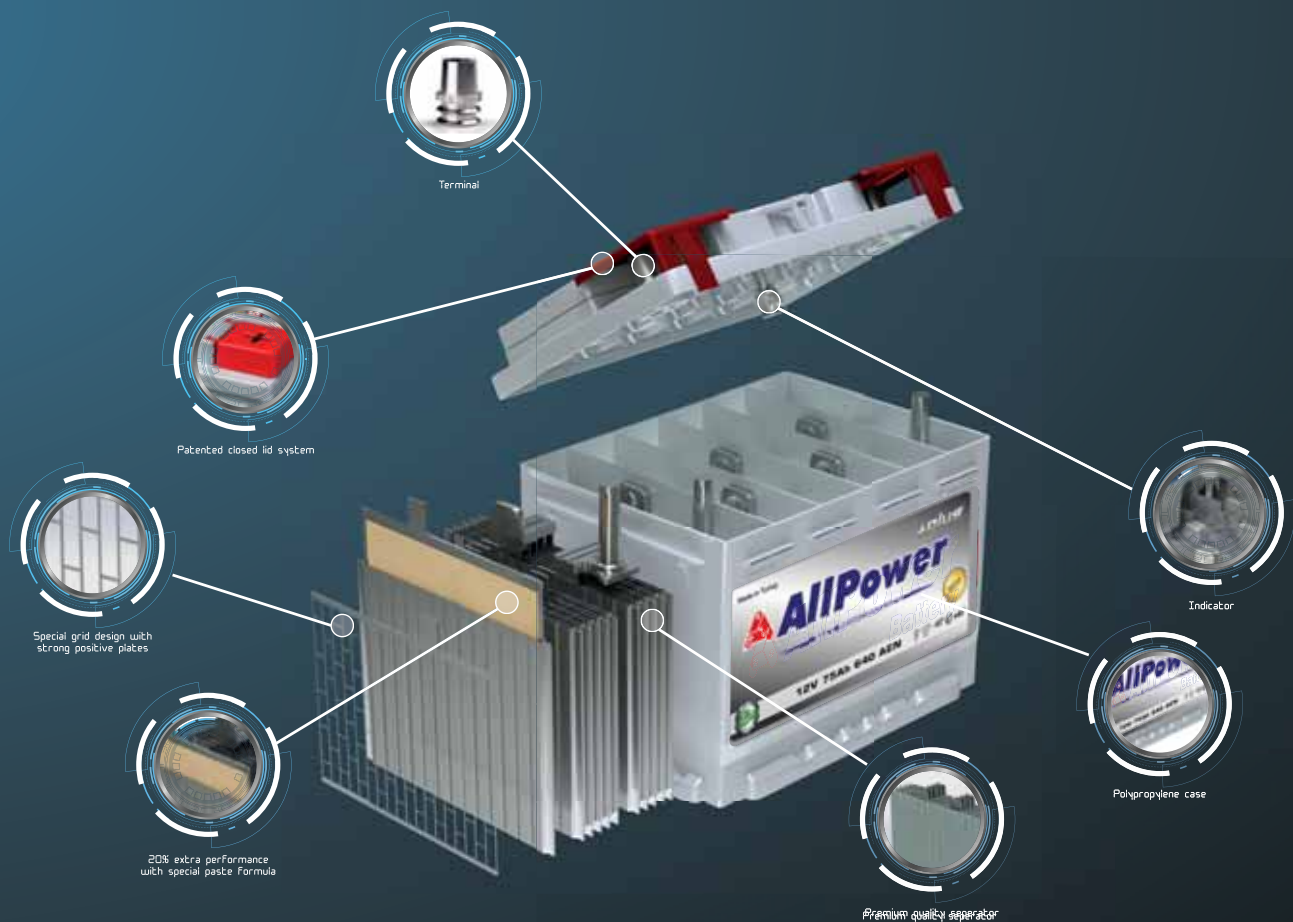
All temperatures from desert heat to freezing cold.

Strong structure



Production in compliance with the OEM Standards

Advanced and quick charge capability





[www.allpowerbattery.com.tr](http://www.allpowerbattery.com.tr)



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