

ERDİL

SINCE 1965

Commercial Heavy and Super Heavy Duty Batteries

www.erdilaku.com.tr

**WE EXPORT
OUR MOST
ADVANCED
TECHNOLOGY
TO THE WHOLE
WORLD**

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Manufacturing Process

01

DOUBLE SIDE PASTING

- Fully Automatic Mixing Process, reliable and stable production.
- High stability of plate production.

02

CURING & DRYING

- Optimal particle sizes for cold cranking power and higher amperage capacity of the batteries.
- %20 longer curing and drying period than standart processes to ensure plate quality.

03

ASSEMBLY LINE

- Dual inspection system after COS & welding process.
- Reliable welding process.
- Inspection points after each process of assembly.

04

FORMATION (CHARGING)

- Fully Automatic Acid Preparation process to ensure acid density before formation.
- IGBT Charging and Discharging formation process.
- Reduce corrosion and oxidation during charging.
- Stable temperature during charging reduces electrical resistance and increase cold cranking power and amperage capacity of the batteries.

05

FINISHING

- Dumping process to unload first acid and refill new & clear acid to reduce corrosion and oxidation of cells.
- Fully Automatic washing & drying process.
- High rate discharging process to ensure final quality of the batteries before packaging.
- Fully Automatic labelling and laser coding process to create unique serial codes for each battery to monitore batteries during warranty period.

EXTRA

Areas of Application



A Revolution in Starter Battery Technology

Erdil Extra is designed for conventional vehicles with high energy needs. It offers up to 2 times longer life and up to 15% more starting power with full frame punch grid technology and it's improved formula.

► %25+ High Performance

Extra Batteries have up to 25% higher performance than standard batteries.

► Resistant to Extreme Technology

Superior performance compared to standard batteries in harsh climate conditions from -41 degrees to +61 degrees.

► Punch Grid Technology

State of art unique Grid Design Punching Technology

25% EXTRA PERFORMANCE

with special
paste formula



PUNCH GRID TECH



Punch Positive Grid

Punch Positive Plate

Punch Negative Grid

PE Separator

Punch Negative Plate



EFB

Areas of Application



Enhanced Flooded Battery Technology

The EFB (Enhanced Flooded Battery) we have developed are flooded type batteries that we have designed based on our R&D studies and 65 years of experience for long life, high performance and service in extreme conditions for all new generation start-stop heavy duty vehicles. EFB batteries have a longer service life than conventional batteries and provide a cleaner and more environmentally friendly production with 20% less gas emissions. EFB Batteries, produced with Erdil's state-of-the-art calcium alloy full-frame Punch production technology, are designed and classified with different performance criteria to meet the changing power needs of the vehicles depending on their equipment levels.

► Start-Stop Technology

Special design for standard vehicles with Start-Stop technology or with high energy needs.

► 2X Longlife Durability

Longer service life and higher endurance with punch grid system.

► 2X Cycle Life

2 times longer cycle life and higher charging capacity than standard flooded type batteries.

► Punch Grid Technology

State of art unique Grid Design Punching Technology.

2X CYCLE LIFE



START STOP TECH

PUNCH GRID TECH



Punch Positive Grid

Punch Positive Plate

Punch Negative Grid

PE Seperator with Glassmat

Glassmat Pasting Scrim

Punch Negative Plate





Areas of Application



Absorbent Glass Mat Technology

Erdil AGM is the perfect choice for vehicles with the highest energy demands such as Start-Stop systems or electric vehicles (EV Cars). Since the start-stop system can be operated as often as possible, it provides the best start-stop performance for maximum fuel economy.

► Start-Stop Technology

Special design for standard vehicles with Start-Stop technology or with high energy needs.

► 3X Longlife Durability

Longer service life and higher endurance with punch grid system.

► 3X Cycle Life

3 times longer cycle life and higher charging capacity than standard flooded type batteries.

**3X
CYCLE
LIFE**



**START
STOP
TECH**



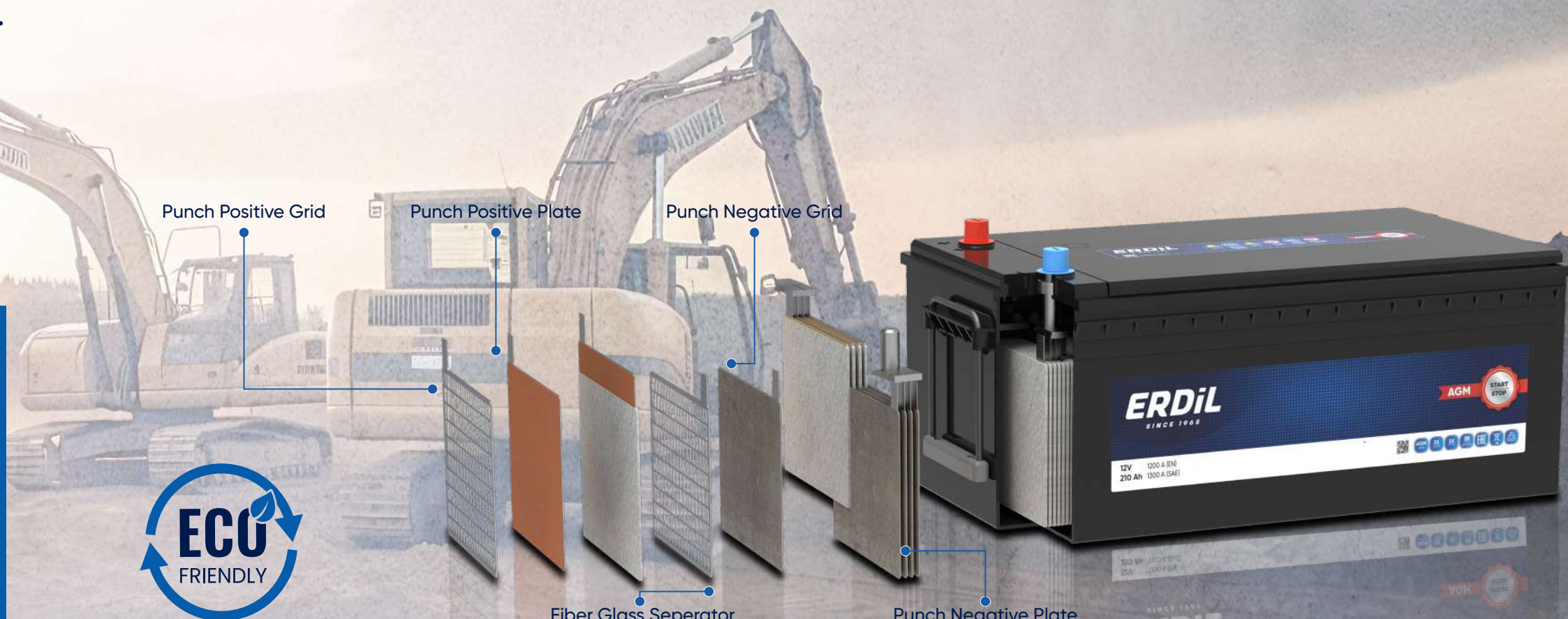
Punch Positive Grid

Punch Positive Plate

Punch Negative Grid

Fiber Glass Separator

Punch Negative Plate



▶ TECHNICAL DRAWINGS

Product No	Box Type	Lid Type	Volt	Capacity (Ah)	A-EN	A-SAE	Overall Dimensions (mm)			Terminal Type	Layout	Hold Down
							Lenght	Width	Total Height			
EXTRA HEAVY DUTY FLAT												
152 01 105 01	H4	FLAT	12	105	760	800	345	175	228	STD	0	B13
152 01 115 01	D2a	FLAT	12	115	800	850	356	175	235	STD	0	B01
152 01 135 01	D4a	FLAT	12	135	850	900	513	186	223	STD	3	B03
152 01 150 01	D5a	FLAT	12	150	920	980	513	223	223	STD	3	B03
152 01 165 01	D5a	FLAT	12	165	1000	1050	513	223	223	STD	3	B03
152 01 180 01	D5a	FLAT	12	180	1100	1200	513	223	223	STD	3	B03
152 01 200 01	D6	FLAT	12	200	1200	1300	517	275	242	STD	3	B0
152 01 225 01	D6	FLAT	12	225	1250	1350	517	275	242	STD	3	B0

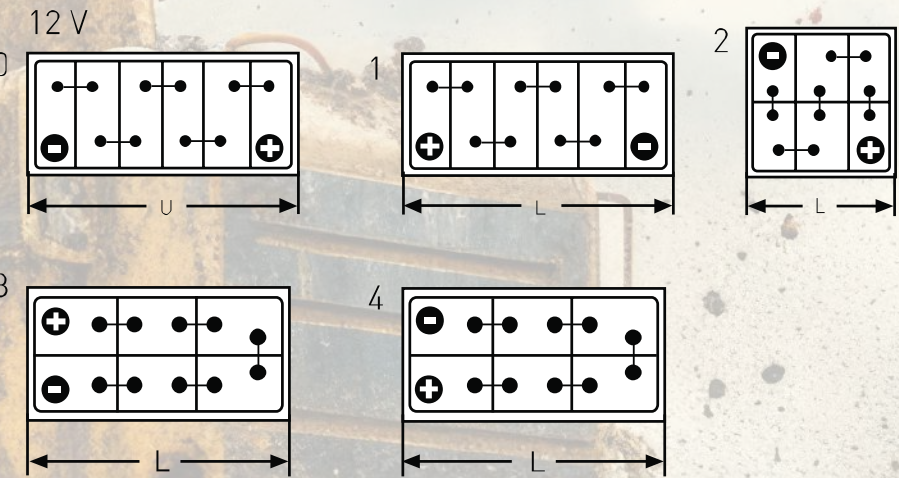
EXTRA HEAVY DUTY SMF												
152 01 105 15	BCI31	SMF	12	105	760	800	330	172	238	STD	0	B13
152 01 105 16	BCI31	SMF	12	105	760	800	330	172	238	STD	1	B13
152 01 105 22	BCI31	SMF	12	105	760	800	330	172	238	SCREW	1	B03
152 01 105 32	BCI31	SMF	12	105	760	800	330	172	238	DUAL	1	B03
152 01 135 05	A	SMF	12	135	850	900	513	186	223	STD	3	B03
152 01 150 05	B	SMF	12	150	920	980	513	223	223	STD	3	B03
152 01 180 05	B	SMF	12	180	1100	1200	513	223	223	STD	3	B03
152 01 200 05	C	SMF	12	200	1200	1300	517	275	242	STD	3	B0
152 01 225 05	C	SMF	12	225	1250	1350	517	275	242	STD	3	B0

PREMIUM SUPER HEAVY DUTY												
152 07 140 07	A	SMF	12	140	900	960	513	186	223	STD	3	B03
152 07 190 07	B	SMF	12	190	1150	1250	513	223	223	STD	3	B03
152 07 240 07	C	SMF	12	240	1350	1450	517	275	242	STD	3	B0

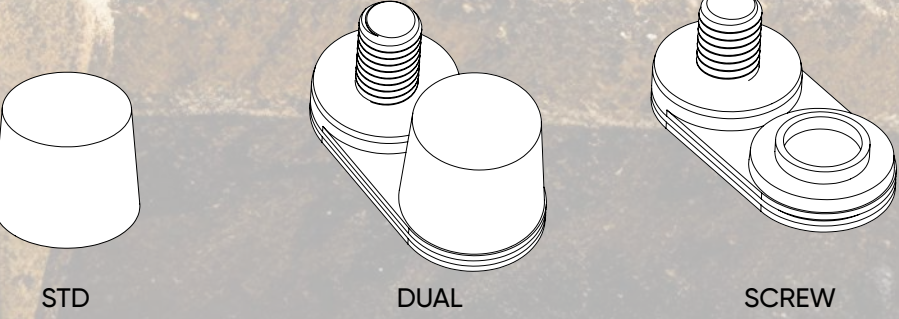
EFB												
152 04 190 07	B	SMF	12	190	1200	1300	513	223	223	STD	3	B03
152 04 240 07	C	SMF	12	240	1450	1550	517	275	242	STD	3	B0

AGM												
152 06 210 01	C	VRLA	12	210	1200	1300	517	273	240	STD	3	B0

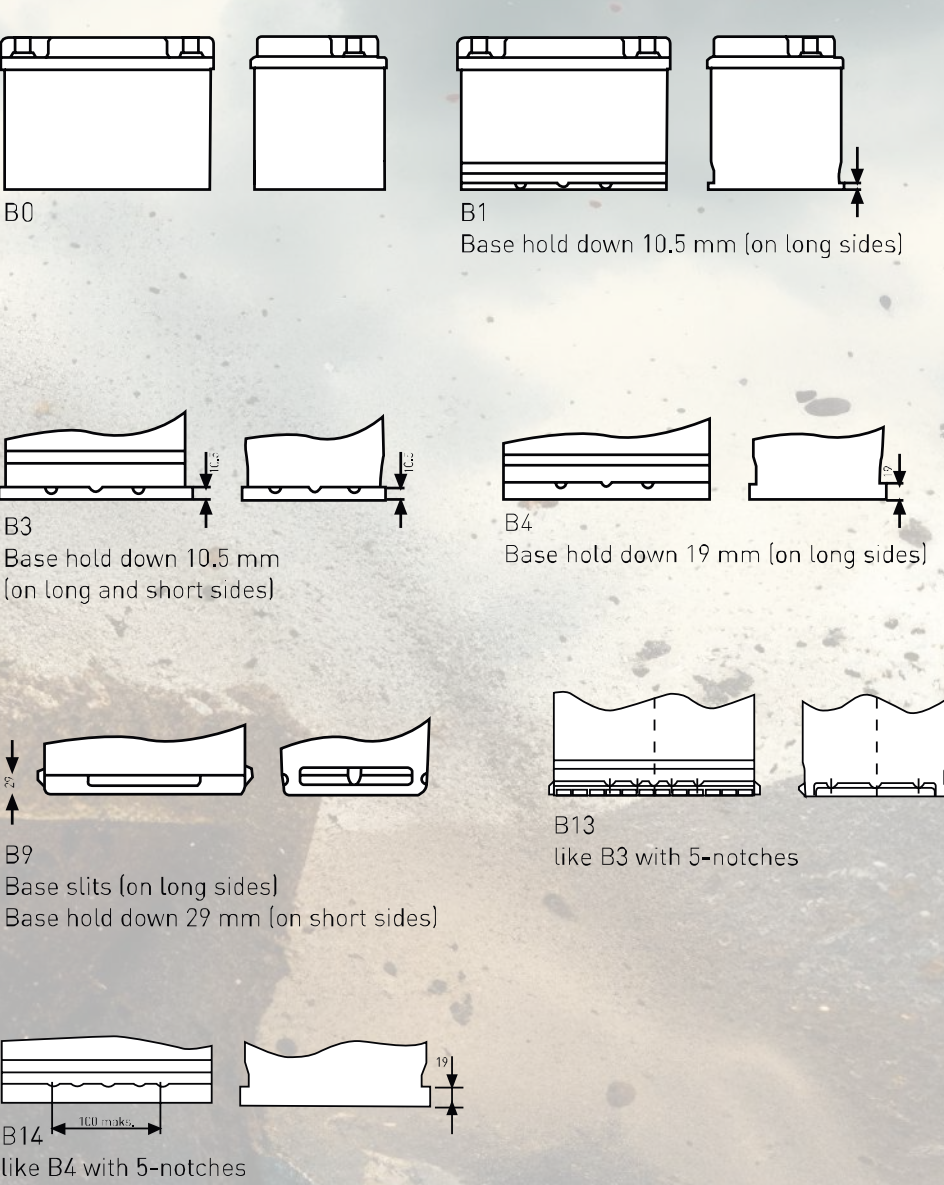
Layout



Terminal



Base hold down



FULL ENERGY SINCE 1965

Based on product, service quality and customer satisfaction, we have been producing lead acid batteries since 1965 without compromising on our enthusiasm and passion for our job.

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