

# ***ERDİL***

***SINCE 1965***

**Automotive** Batteries for Cars and Light Commercial Vehicles

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



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

**ERDiL**  
SINCE 1965



## 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 its 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 Sperator

Punch Negative Plate





# EFB

Areas of Application



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 passenger and light commercial 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  
TECH**

**PUNCH  
GRID  
TECH**

## Enhanced Flooded Battery Technology

### ► 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**



Punch Positive Grid

Punch Positive Plate

Punch Negative Grid



PE Separator with Glassmat

Glassmat Pasting Scrim

Punch Negative Plate





# AGM

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



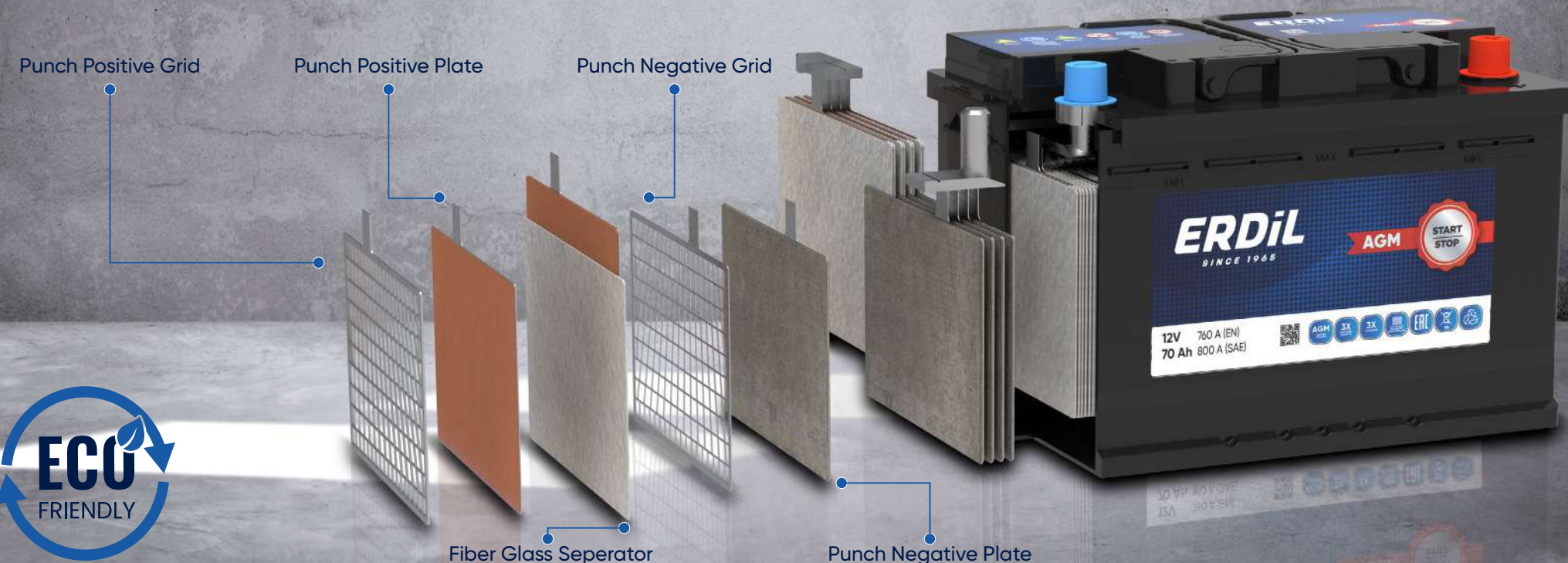
Punch Positive Grid

Punch Positive Plate

Punch Negative Grid

Fiber Glass Separator

Punch Negative Plate

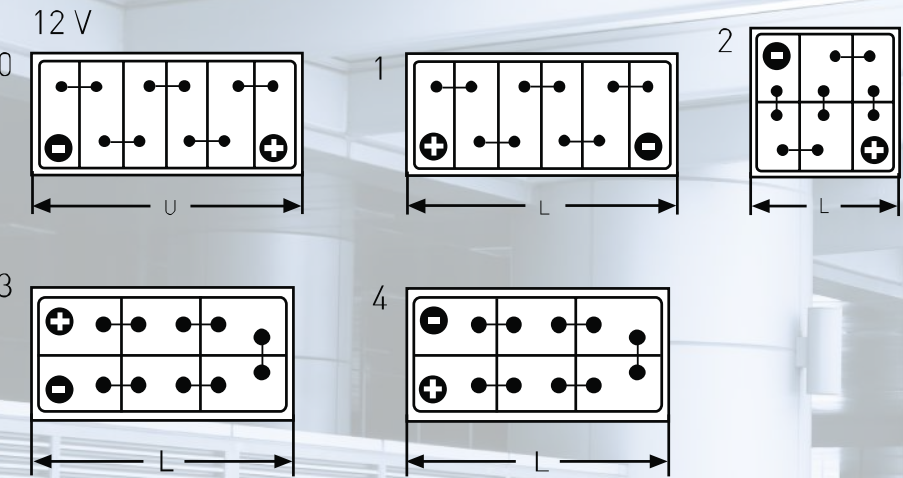




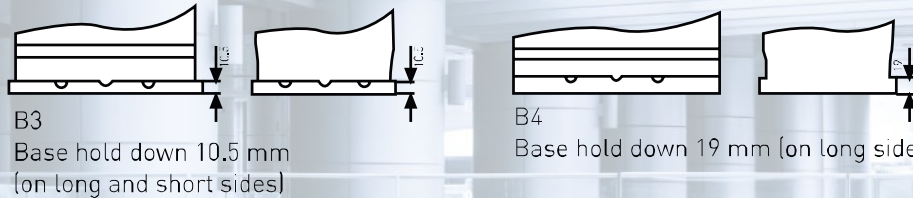
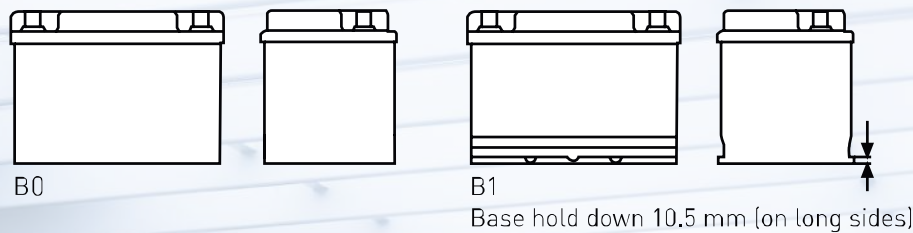
Product No	Box Type	Lid Type	Volt	Capacity (Ah)	A-EN	A-SAE	Overall Dimensions (mm)			Terminal Type	Layout	Hold Down
							Lenght	Width	Total Height			
AGM												
152 06 060 01	L2	VRLA	12	60	640	680	242	175	190	STD	0	B13
152 06 070 01	L3	VRLA	12	70	760	800	278	175	190	STD	0	B13
152 06 080 01	L4	VRLA	12	80	800	850	315	175	190	STD	0	B13
152 06 095 01	L5	VRLA	12	95	850	900	353	175	190	STD	0	B13
EFB												
152 04 060 01	L2	SMF	12	60	600	640	242	175	190	STD	0	B13
152 04 070 01	L3	SMF	12	70	700	740	278	175	190	STD	0	B01
152 04 072 01	D26	SMF	12	72	760	800	260	173	225	STD	0	B01
152 04 084 01	L4	SMF	12	84	800	850	315	175	190	STD	0	B13
152 04 100 01	L5	SMF	12	100	900	950	353	175	190	STD	0	B13
PREMIUM												
152 07 062 01	L2	SMF	12	62	640	680	242	175	190	STD	0	B13
152 07 075 01	L3	SMF	12	75	720	770	278	175	190	STD	0	B01
EXTRA                      DIN TYPE												
152 01 060 01	L2	KAMINA	12	60	540	570	242	175	190	STD	0	B13
152 01 072 01	L3	KAMINA	12	72	640	680	278	175	190	STD	0	B01
152 01 100 01	L5	KAMINA	12	100	850	900	353	175	190	STD	0	B13
152 01 050 05	L1	SMF	12	50	420	450	207	175	190	STD	0	B13
152 01 060 05	L2	SMF	12	60	540	570	242	175	190	STD	0	B13
152 01 072 05	L3	SMF	12	72	640	680	278	175	190	STD	0	B01
152 01 080 05	L4	SMF	12	80	740	790	315	175	190	STD	0	B13
152 01 080 06	L4	SMF	12	80	740	790	315	175	190	STD	1	B13
152 01 090 05	L4	SMF	12	90	780	830	315	175	190	STD	0	B13
152 01 100 05	L5	SMF	12	100	850	900	353	175	190	STD	0	B13
152 01 044 15	LB1	SMF	12	44	360	400	207	175	175	STD	0	B13
152 01 050 15	LB1	SMF	12	50	420	450	207	175	175	STD	0	B13
152 01 060 15	LB2	SMF	12	60	540	570	242	175	175	STD	0	B13
152 01 072 15	LB3	SMF	12	72	640	680	278	175	175	STD	0	B13
152 01 080 15	LB4	SMF	12	80	740	790	315	175	175	STD	0	B13
152 01 100 15	LB5	SMF	12	100	850	900	353	175	175	STD	0	B13
EXTRA                      JIS TYPE												
152 01 060 35	D23	SMF	12	60	520	550	230	173	225	STD	0	B01
152 01 060 36	D23	SMF	12	60	520	550	230	173	225	STD	1	B01
152 01 070 05	N50	SMF	12	70	600	650	260	173	225	STD	0	B01
152 01 070 06	N50	SMF	12	70	600	650	260	173	225	STD	1	B01
152 01 090 15	N70	SMF	12	90	720	760	306	175	224	STD	0	B01
152 01 090 16	N70	SMF	12	90	720	760	306	175	224	STD	1	B01
152 01 100 17	N70	SMF	12	100	850	900	306	175	224	STD	0	B01
152 01 100 18	N70	SMF	12	100	850	900	306	175	224	STD	1	B01

## TECHNICAL DRAWINGS

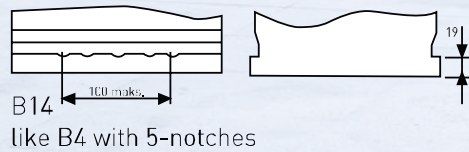
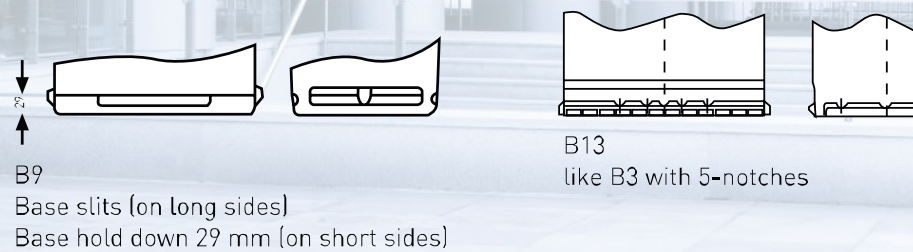
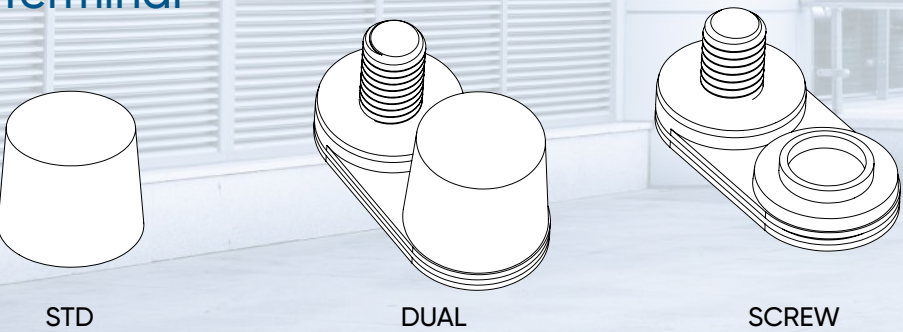
### Layout



### Base hold down



### Terminal





# 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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SINCE 1965

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