



Positive Energy



ESAN
AKU

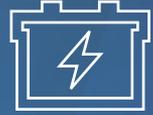
2005

First and Founding Member of AKÜDER



2008

Pioneer in Technological Transformation:
Production of Sealed Maintenance Free Battery



1998

Modern Production Facilities:
Ayazağa/Şişli



1985

Branding Proceeds with Esan, Energy, Vega and Pure Energy



1978

Establishment:
Maslak / İstanbul



1997

Esan Battery Stepped Into Global Markets:
First Export Agreement



1998

Second Generation in Charge



2006

Quality Management Systems: ISO 9001, ISO 14001 ve ISO 45001

Sustainable Excellence

- 44 Years of Experience
- Export to More Than 65 Countries in 4 Continents
- More Than 200 Dealership Network at Internal Market and Abroad

2016

We Are in Our New Production Facility!
20.000 SQM in Gebze Organized Industrial Zone.
Use of the Latest Technologies.
Production Capacity: 2,5 M Pcs / Year



2010

We Are Growing: Establishment of
Esan Battery and Materials
Industry & Trade Inc.



2014

Technological Investments:
Line Automation Robot Usage And
New Battery Charging Systems



2020

Start - Stop EFB Battery
Serial Production



2010

1MILYON

2011

Exmet Investment: 1,2 M
Production Capacity

ISO

2015

Quality Management Systems:
ISO 10002



2018

R&D Center
Approved by the
Ministry of Industry and Technology



2019

Esan Plastic:
Container and Lid
Manufacturing Plant



2021

Esan Metal

Star of the Industry

- Turkish Exporters Assembly 1000
 - ISO 1000
 - Esan Plastic
 - Esan Metal
 - R&D Center
 - IATF: 16949
 - Turquality

ESAN

BATTERY

Positive Energy





RUSSIA

AFGHANISTAN

MONGOLIA

CHINA

**NORTH
KOREA**

JAPAN

**SOUTH
KOREA**

AFGHANISTAN

KASHMIR

PAKISTAN

NEPAL

BHUTAN

BANGLADESH

INDIA

**MYANMAR
(BURMA)**

LAOS

THAILAND

CAMBODIA

VIETNAM

**SRI
LANKA**



**RESPECT
NATURE**
FOR FUTURE GENERATIONS

Esan Battery acts with the principle of respect for nature in all activities and this principle is taken into account in all decisions. Training and awareness-raising activities are organized in order to create this awareness in employees and other related parties.



**POSITIVE ENERGY
CARES ABOUT
NATURE**

**Charge level indicator
integrated on lid**

**Terminal cover design
compatible with
the new battery**

**Ergonomic battery
handle design**

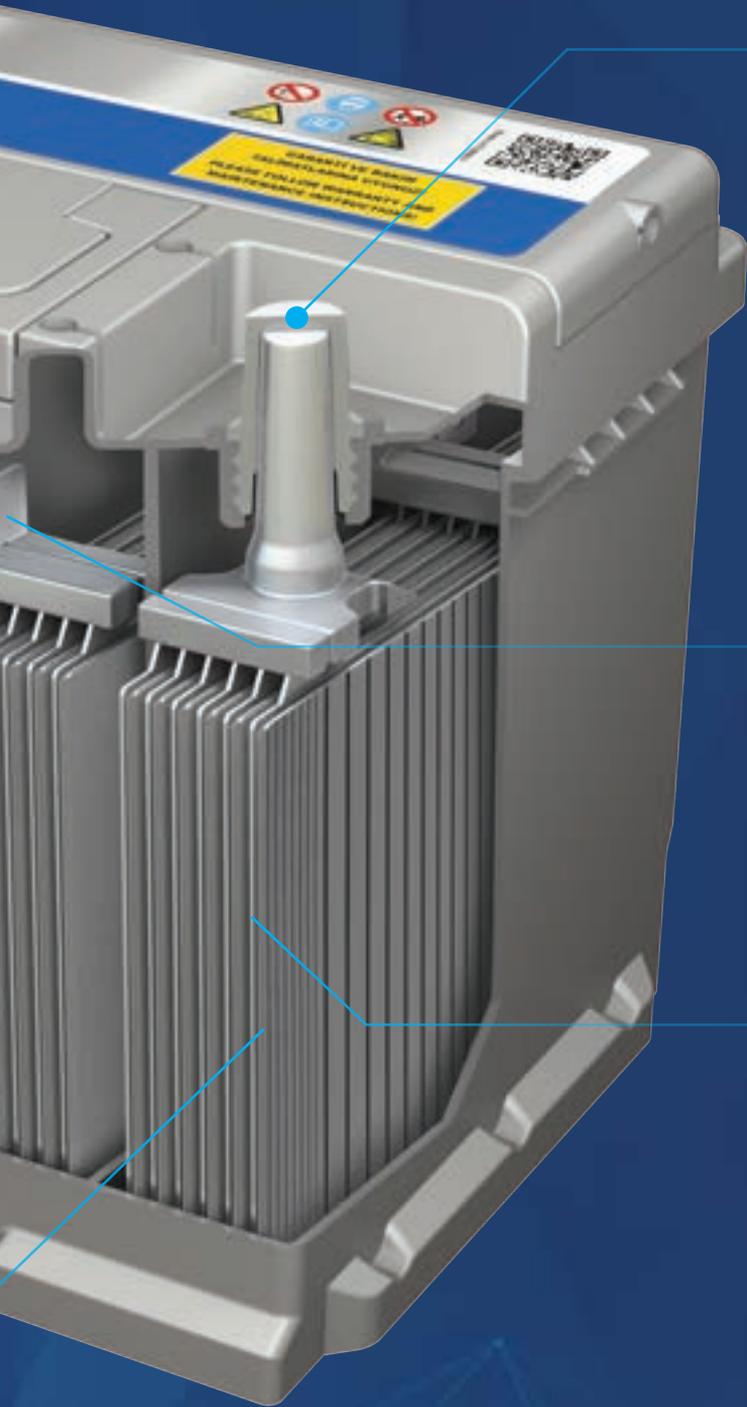
**Ca-Ca
technology**

**Negative plate with
PE envelope**



ESAN
BATTERY

Positive Energy



Special alloy for high strength terminal

Special alloy for intercell connections

High corrosion resistant positive plate with strengthened formula

EUROPEAN TYPE BATTERIES



High cranking and cycle capacity



Special internal structure and high performance



High corrosion resistance and low water loss



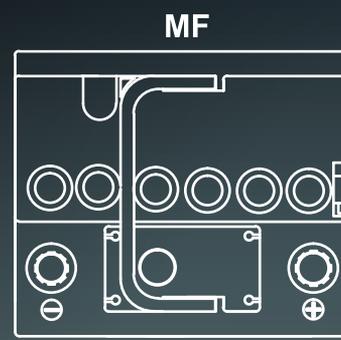
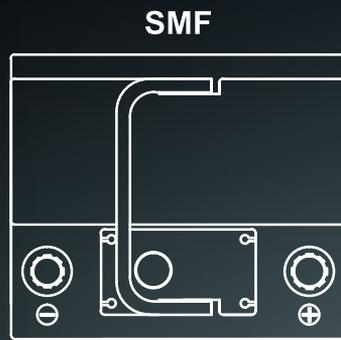
High cycle and vibration performance



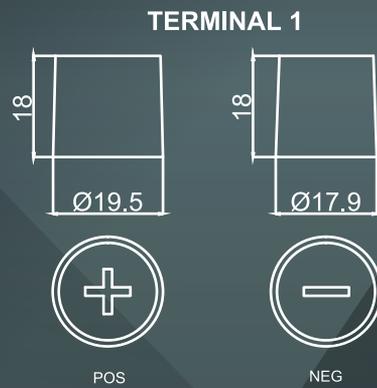
Maintenance Free SMF Technology



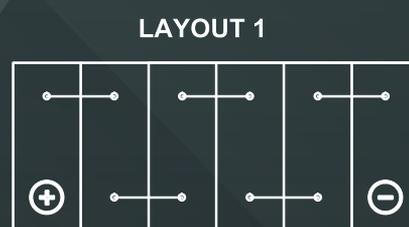
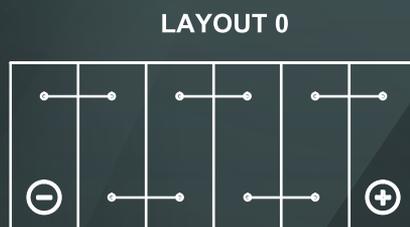
Lid Types



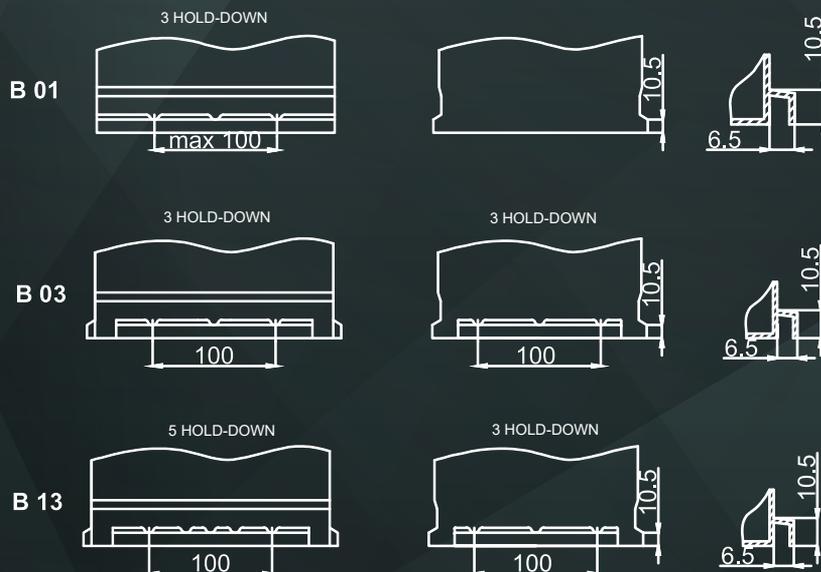
Terminal Types



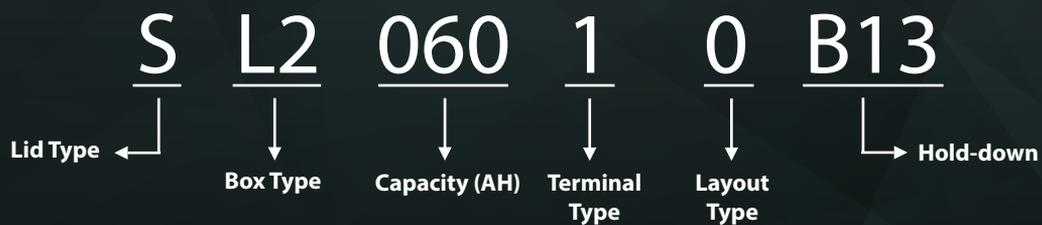
Layout Types



Hold-down Types



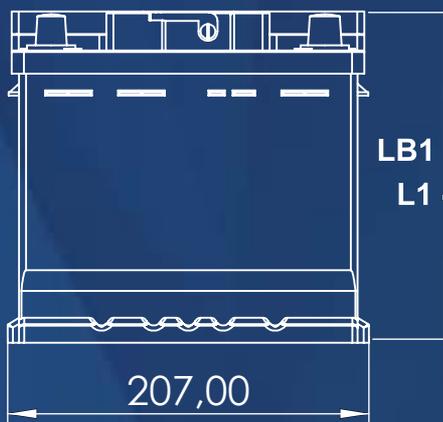
Product Code Description



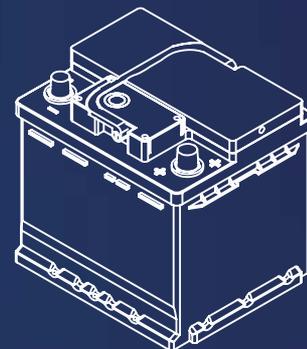
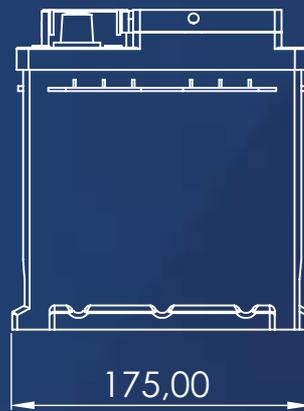
EUROPEAN TYPE BATTERIES

Box Type	Product Number		Capacity Ah/20h	CCA		Terminal Type	Layout Type	Hold-down
	MF	SMF		EN	DIN			
LB1	LB1 044 10B13	S LB1 044 10B13	44	360	220	1	0/1	B13
	LB1 045 10B13	S LB1 045 10B13	45	360	220	1	0/1	B13
	LB1 050 10B13	S LB1 050 10B13	50	420	230	1	0/1	B13
L1	L1 044 10B13	S L1 044 10B13	44	360	220	1	0/1	B13
	L1 045 10B13	S L1 045 10B13	45	360	220	1	0/1	B13
	L1 050 10B13	S L1 050 10B13	50	420	230	1	0/1	B13
LB2	LB2 050 10B13	S LB2 050 10B13	50	420	230	1	0/1	B13
	LB2 055 10B13	S LB2 055 10B13	55	460	240	1	0/1	B13
	LB2 060 10B13	S LB2 060 10B13	60	540	255	1	0/1	B13
	LB2 062 10B13	S LB2 062 10B13	62	550	290	1	0/1	B13
L2	L2 050 10B13	S L2 050 10B13	50	420	230	1	0/1	B13
	L2 055 10B13	S L2 055 10B13	55	460	240	1	0/1	B13
	L2 060 10B13	S L2 060 10B13	60	540	255	1	0/1	B13
	L2 062 10B13	S L2 062 10B13	62	550	290	1	0/1	B13

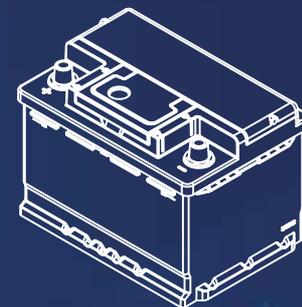
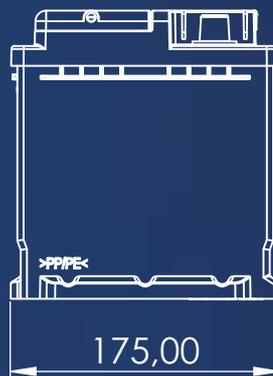
AREAS OF USAGE



LB1 - 175
L1 - 190



LB2-175
L2-190

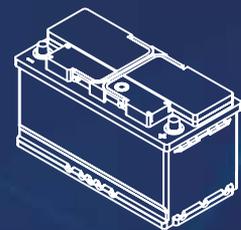
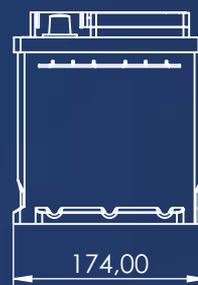
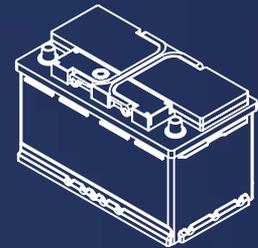
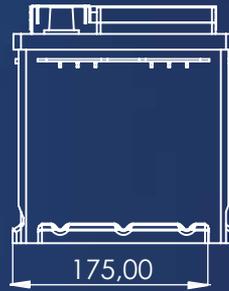
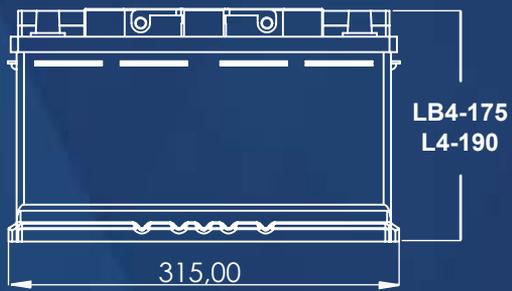
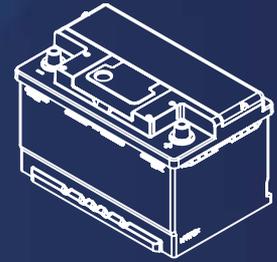
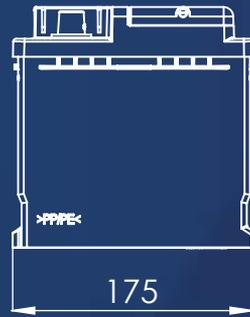
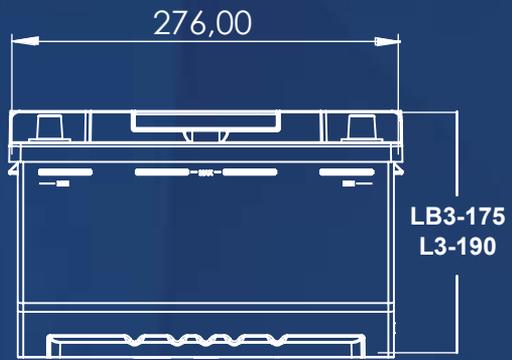


EUROPEAN TYPE BATTERIES

Box Type	Product Number		Capacity Ah/20h	CCA		Terminal Type	Layout Type	Hold-down
	MF	SMF		EN	DIN			
LB3	LB3 066 10B13	S LB3 066 10B13	66	590	300	1	0/1	B13
	LB3 072 10B13	S LB3 072 10B13	72	640	360	1	0/1	B13
	LB3 074 10B13	S LB3 074 10B13	74	650	380	1	0/1	B13
	LB3 075 10B13	S LB3 075 10B13	75	650	380	1	0/1	B13
L3	L3 066 10B01	S L3 066 10B01	66	590	300	1	0/1	B01
	L3 072 10B01	S L3 072 10B01	72	640	360	1	0/1	B01
	L3 074 10B01	S L3 074 10B01	74	650	380	1	0/1	B01
	L3 075 10B01	S L3 075 10B01	75	650	380	1	0/1	B01
LB4	LB4 080 10B13	S LB4 080 10B13	80	700	410	1	0/1	B13
L4	L4 080 10B13	S L4 080 10B13	80	700	410	1	0/1	B13
LB5	LB5 088 10B13	S LB5 088 10B13	88	720	420	1	0/1	B13
	LB5 100 10B13	S LB5 100 10B13	100	800	480	1	0/1	B13
L5	L5 088 10B13	S L5 088 10B13	88	720	420	1	0/1	B13
	L5 100 10B13	S L5 100 10B13	100	800	480	1	0/1	B13

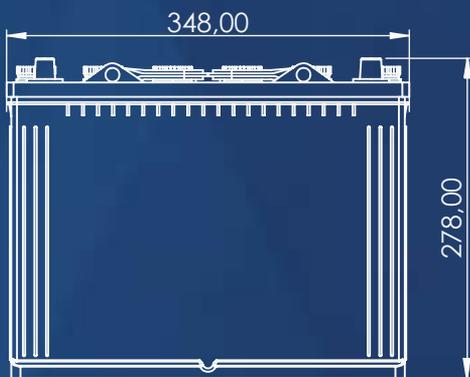
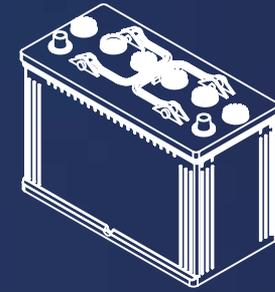
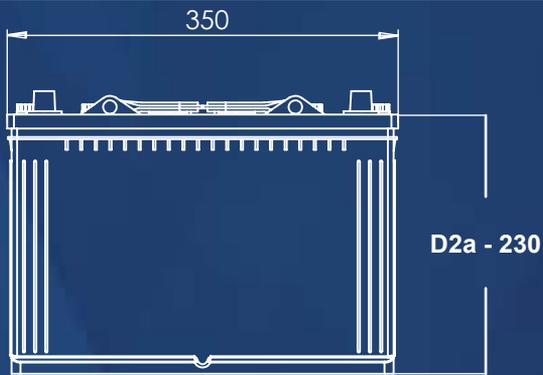
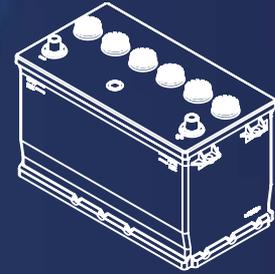
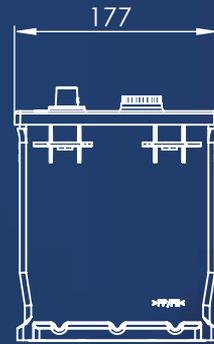
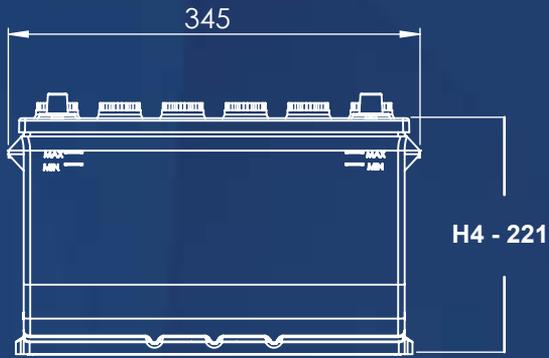


TURKEY'S
SECOND TOP 500 INDUSTRIAL
ENTERPRISES
2020



EUROPEAN TYPE BATTERIES

Box Type	Product Number	Capacity Ah/20h	CCA		Terminal Type	Layout Type	Hold-down
	MF		EN	DIN			
H4	H4 105 10B03	105	760	440	1	0/1	B03
	H4 110 10B03	110	780	460	1	0/1	B03
D2a	D2 110 10B01	110	780	460	1	0	B01
D3a	D3 128 10B01	128	860	500	1	0	B01



ASIAN TYPE BATTERIES



High cranking and cycle capacity



Special internal structure and high performance



High corrosion resistance and low water loss



High cycle and vibration performance

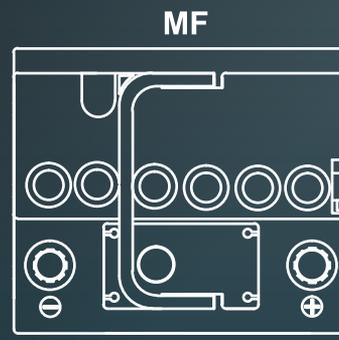
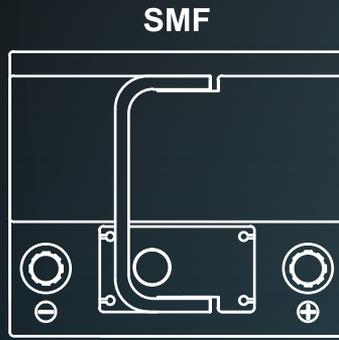


Maintenance Free SMF Technology

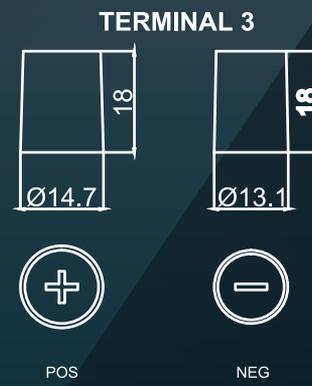
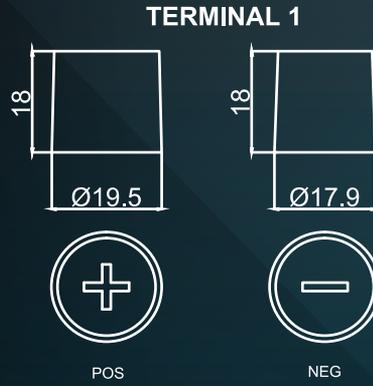
The **WORLD**
Gets
its **Power**
from **US!**



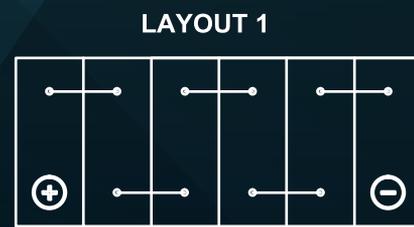
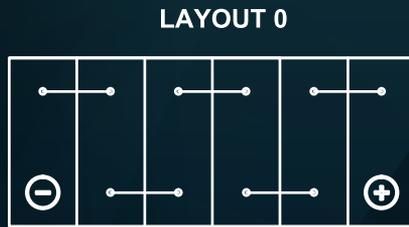
Lid Types



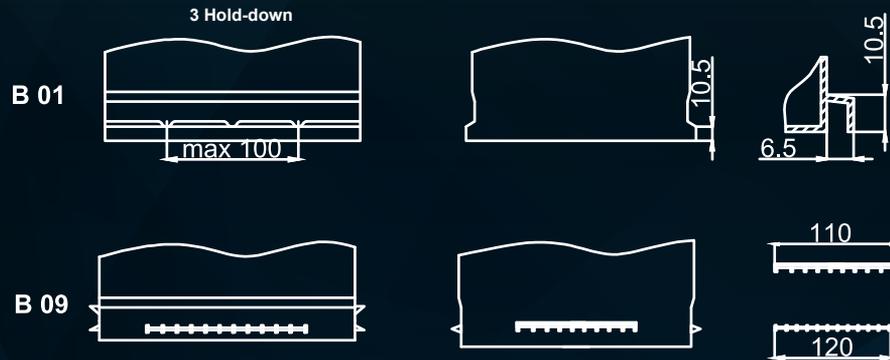
Terminal Types



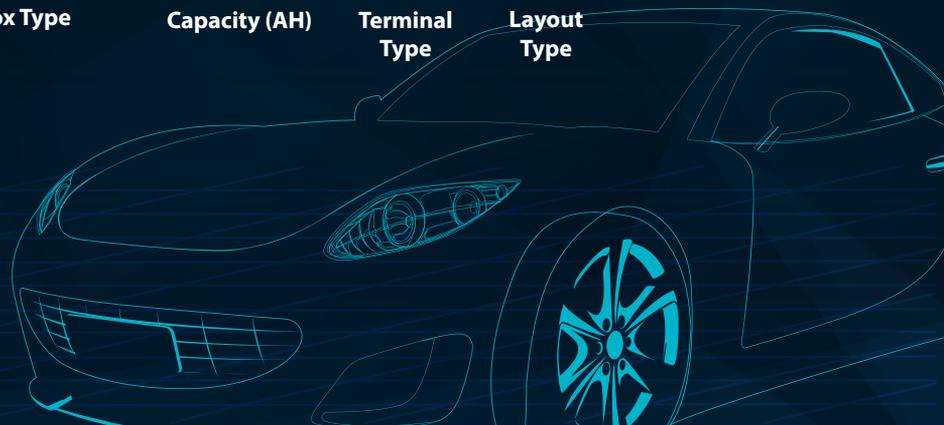
Layout Types



Hold-down Types



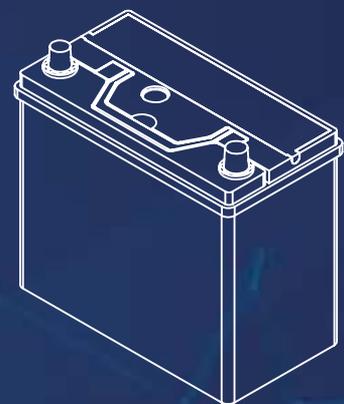
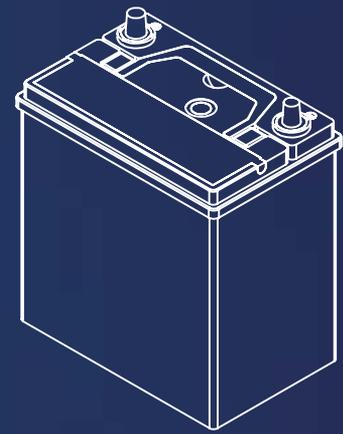
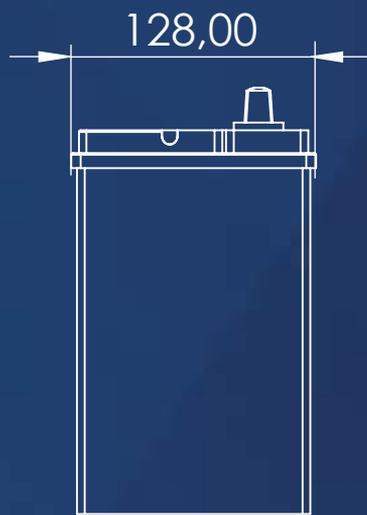
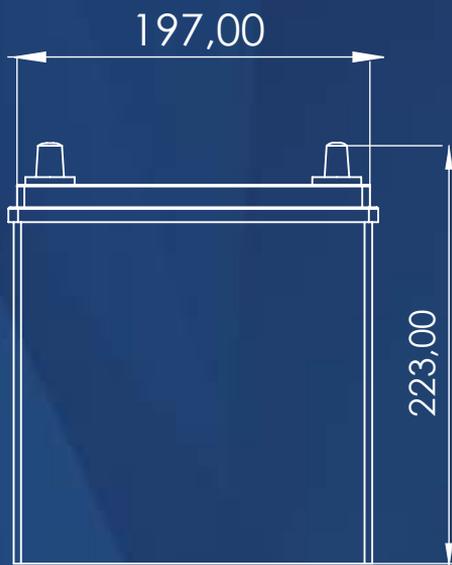
Product Code Description



ASIAN TYPE BATTERIES

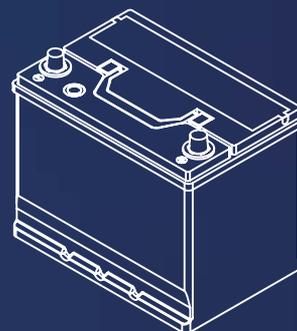
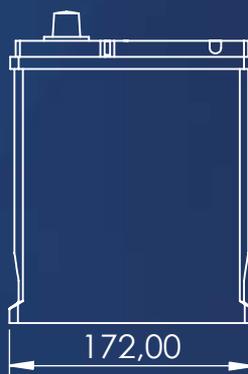
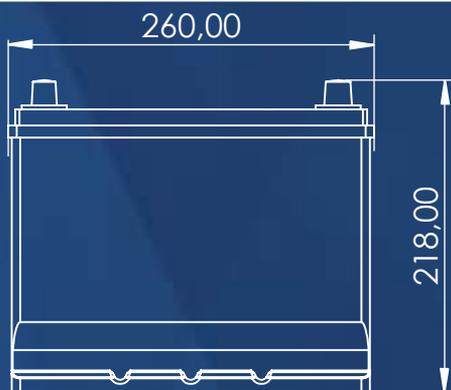
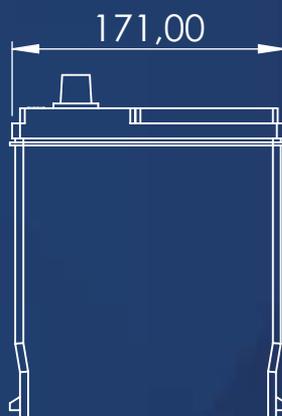
Box Type	Product Number		Capacity Ah/20h	CCA		Terminal Type	Layout Type	Hold-down
	MF	SMF		EN	DIN			
NS40	NS40 035 30B00	S NS40 035 30B00	35	240	150	3	0/1	B00
	NS40 040 30B00	S NS40 040 30B00	40	270	170	3	0/1	B00
	NS40 042 30B00	S NS40 042 30B00	42	330	200	3	0/1	B00
NS60	NS60 045 30B00	S NS60 045 30B00	45	360	220	3	0/1	B00
	NS60 045 10B00	S NS60 045 10B00	45	360	220	1	0/1	B00

AREAS OF USAGE

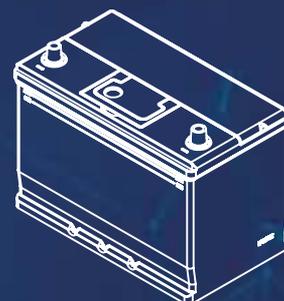
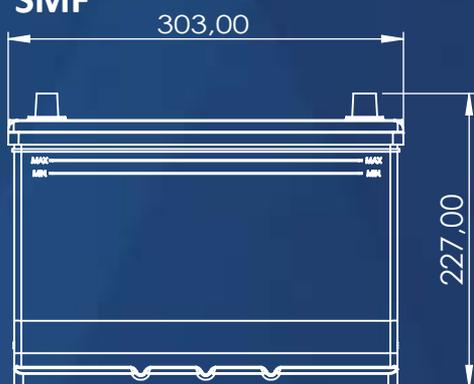


ASIAN TYPE BATTERIES

Box Type	Product Number		Capacity Ah/20h	CCA		Terminal Type	Layout Type	Hold-down
	MF	SMF		EN	DIN			
D23	D23 055 10B09	S D23 055 10B09	55	460	240	1	0/1	B09
	D23 060 10B09	S D23 060 10B09	60	540	255	1	0/1	B09
N50	N50 070 10B09	S N50 070 10B09	70	600	340	1	0/1	B09
N70	N70 090 10B01	S N70 090 10B01	90	720	370	1	0/1	B01
	N70 100 10B01	S N70 100 10B01	100	800	480	1	0/1	B01



SMF



START-STOP

EFB



2 times more starting power and cycle life than standart batteries



10% fuel savings



10% less carbon emissions



Maintenance free SMF technology



High performance in harsh climatic conditions



START-STOP

AGM

3 times longer lasting performance than standart batteries



For vehicles with start-stop feature



For vehicles with high electrical equipment



Eco friendly with %20 less energy consumption



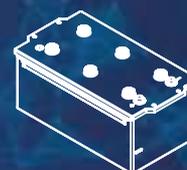
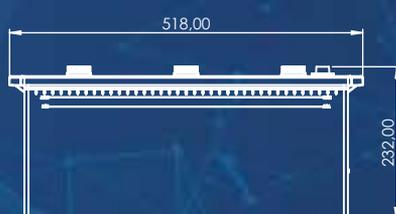
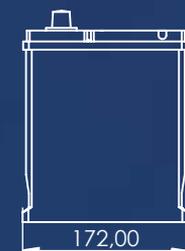
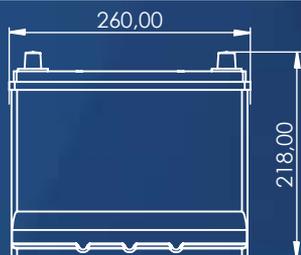
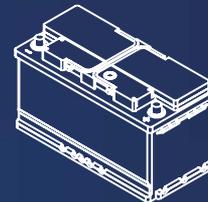
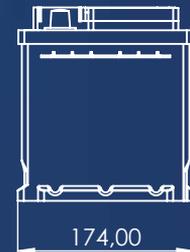
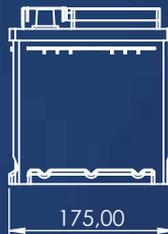
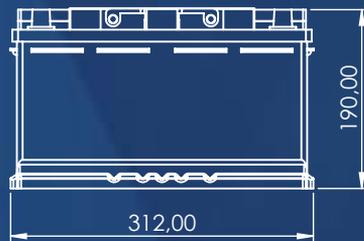
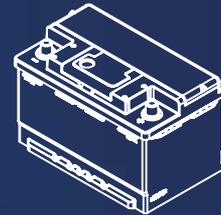
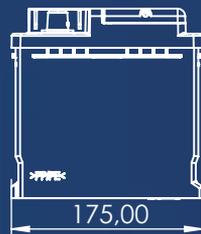
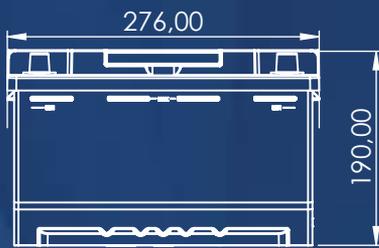
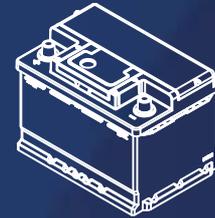
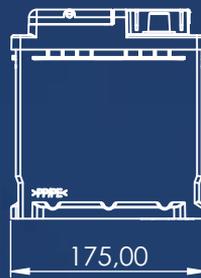
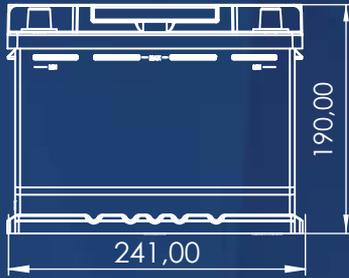
START
STOP



EFB BATTERIES

Box Type	Product Number	Capacity Ah/20h	CCA		Terminal Type	Layout Type	Hold-down
			EN	DIN			
L2	S L2 063 10B13	63	600	360	1	0/1	B13
L3	S L3 072 10B13	72	720	430	1	0/1	B13
L4	S L4 084 10B13	84	800	480	1	0/1	B13
L5	S L5 100 10B13	100	850	500	1	0/1	B13
N50	S N50 072 10B09	72	760	440	1	0/1	B09
C	S C 225 13B00	225	1250	700	1	3/4	B00

AREAS OF USAGE

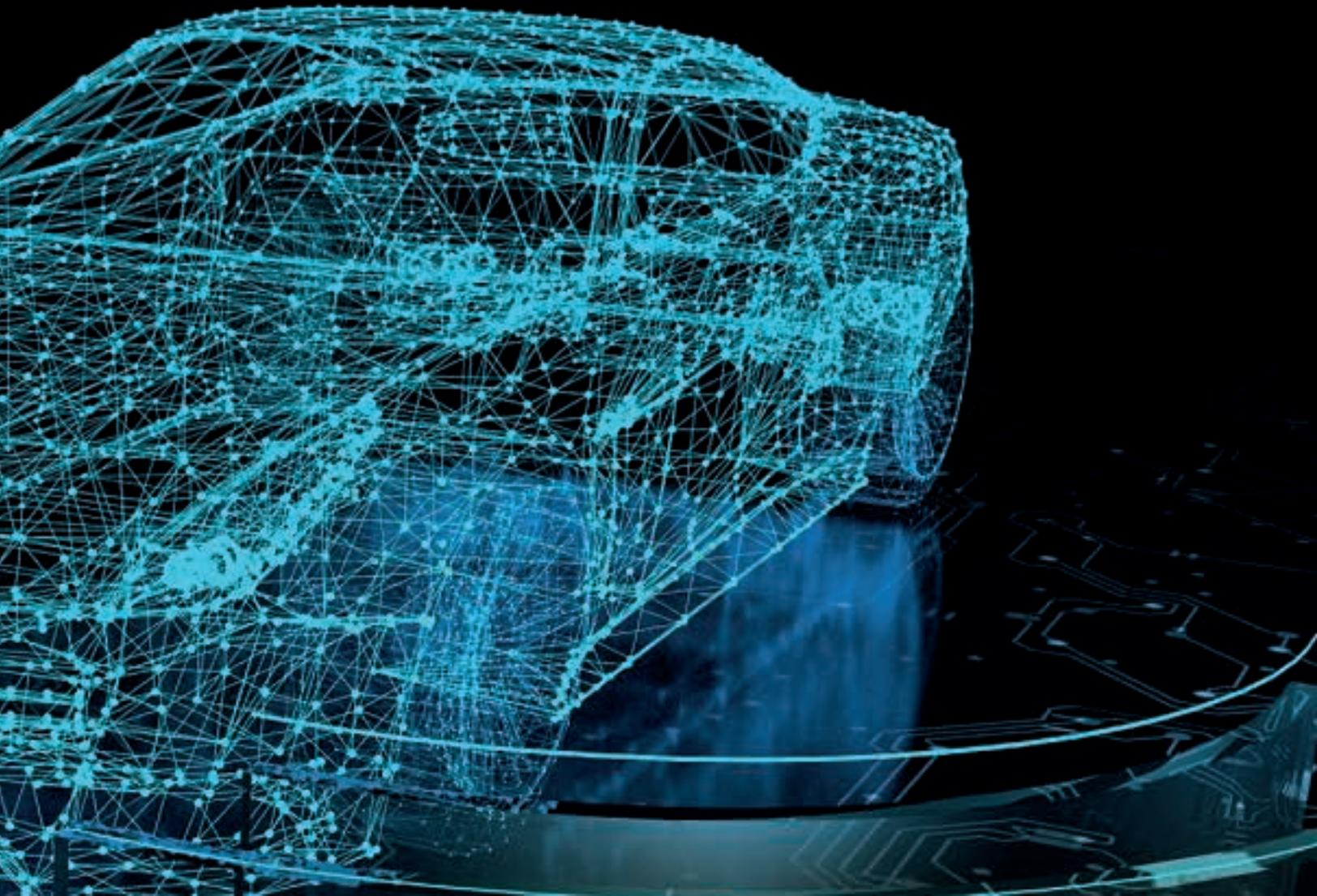
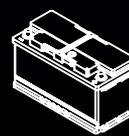
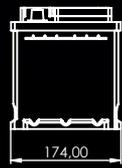
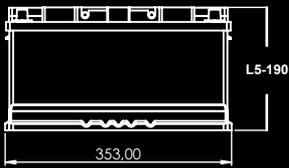
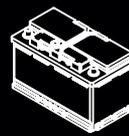
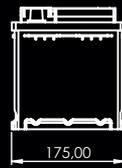
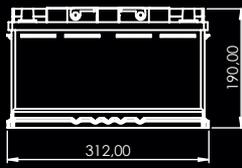
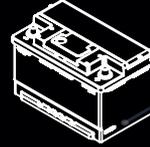
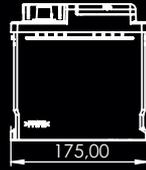
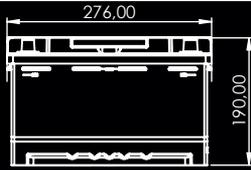


AGM BATTERIES

Box Type	Product Number	Capacity Ah/20h	CCA EN	Terminal Type	Layout Type	Hold-down
L3	L3 070 10B13	70	760	1	0	B13
L4	L4 080 10B13	80	800	1	0	B13
L5	L5 095 10B13	95	850	1	0	B13



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HEAVY DUTY BATTERIES



High cranking and
cycle capacity



Special internal structure and
high performance



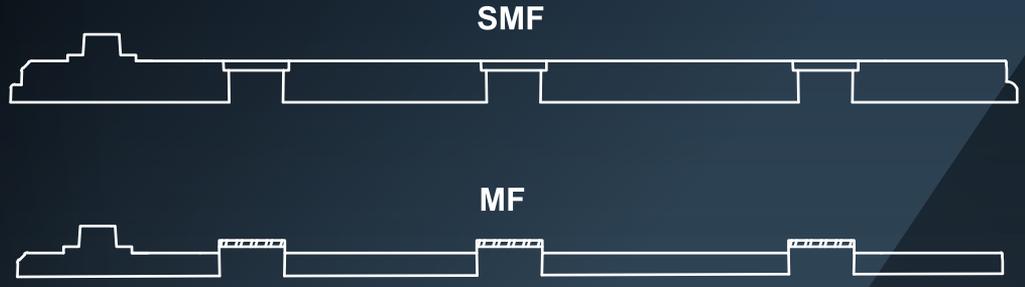
High corrosion resistance
and low water loss



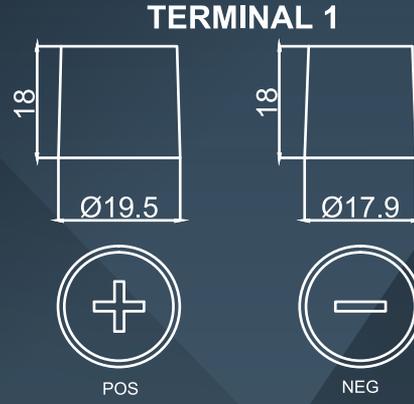
High cycle and
vibration performance



Lid Types



Terminal Types



Layout Types



Hold-down Types



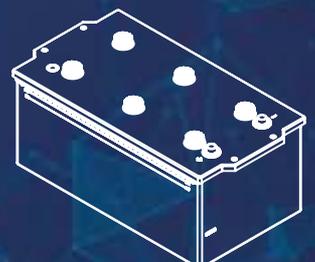
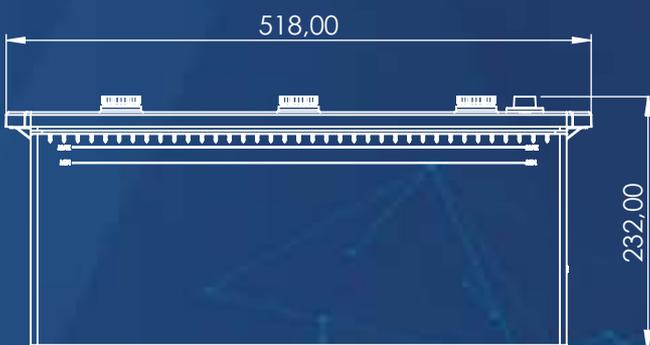
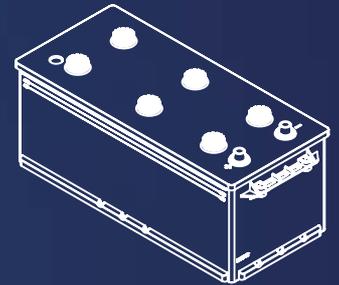
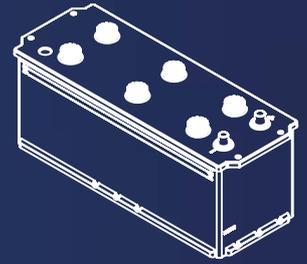
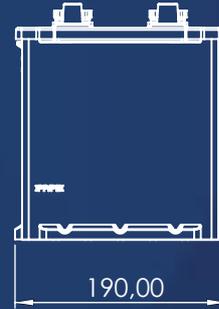
Product Code Description



HEAVY DUTY BATTERIES

Box Type	Product Number		Capacity Ah/20h	CCA		Terminal Type	Layout Type	Hold-down
	MF	SMF		EN	DIN			
A	A 120 13B03	S A 120 13B03	120	850	420	1	3/4	B03
	A 135 13B03	S A 135 13B03	135	950	450	1	3/4	B03
B	B 150 13B00	S B 150 13B00	150	1000	500	1	3/4	B00
	B 165 13B00	S B 165 13B00	165	1100	550	1	3/4	B00
	B 180 13B00	S B 180 13B00	180	1150	600	1	3/4	B00
	B 190 13B00	S B 190 13B00	190	1180	620	1	3/4	B00
C	C 200 13B00	S C 200 13B00	200	1200	630	1	3/4	B00
	C 210 13B00	S C 210 13B00	210	1220	650	1	3/4	B00
	C 225 13B00	S C 225 13B00	225	1250	700	1	3/4	B00
	C 240 13B00	S C 240 13B00	240	1400	750	1	3/4	B00

AREAS OF USAGE



Marine

PREMIUM



Motor Yacht



Caravan



Generator

The **WORLD**
Gets
its **Power**
from **US!**



Marine

PREMIUM

Marine batteries developed by Esan Battery for marine applications are designed according to the energy needs and usage conditions of vehicles operating in these areas and are produced with fully enclosed technology. Manufactured with maintenance-free fully closed technology and central gas outlet system, providing high safety and impermeability as well as flame arrester feature. Enhanced alloyed maintenance free batteries that are resistant to vibration and heavy use conditions, with their fastening systems in addition to the improved alloy grid, active material, internal structure elements and fiber separators developed by EsanBattery. Cycle life is longer than standard batteries, maximum shelf life is provided with minimum standby losses. These batteries are suitable for seasonal waiting.



Maximum performance with starting power lifetime



Maximum resistance against corrosion



Fiber separators preventing rapid discharge



Maximum charge - discharge cycle



Extra resistance to vibration

Marine

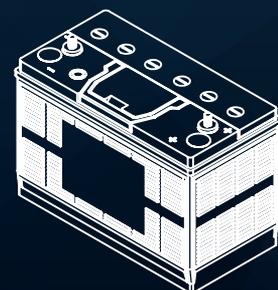
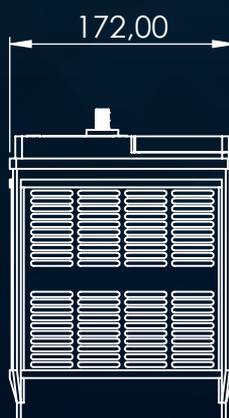
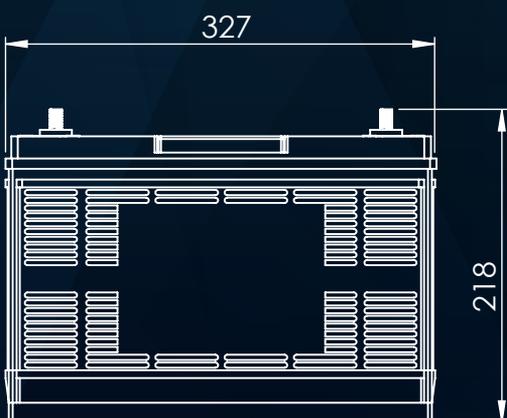
PREMIUM

AREAS OF USAGE



Box Type	Product Number	Capacity Ah/20h	CCA		Terminal Type	Layout Type	Hold-down	Product Description
			EN	DIN				
L2	S L2 062 10B13	62	550	290	1	0	B13	Starter
N50	S N50 085 10B09	85	620	340	1	0	B09	Starter
GR31	GR31 11589B00	115	800	480	8	9	B00	Starter
A	S A 145 13B03	145	950	550	1	3	B03	Starter
B	S B 185 13B03	185	1150	600	1	3	B03	Starter
C	S C 230 13B00	230	1250	700	1	3	B00	Starter
A	S A 140 13B03	140	900	500	1	3	B03	Deep Cycle
B	S B 180 13B03	180	1100	550	1	3	B03	Deep Cycle
C	S C 225 13B00	225	1200	630	1	3	B00	Deep Cycle

GR31



PALLET CHART

EUROPEAN BATTERIES		
TYPE	EURO PALLET 80x120 cm	STANDARD PALLET 110x130 cm
LB1 - L1	88	144
LB2 - L2	76	120
LB3 - L3	64	100
LB4 - L4	56	96
LB5 - L5	48	63
H4	36	63

ASIAN BATTERIES		
TYPE	EURO PALLET 80x120 cm	STANDARD PALLET 110x130 cm
NS40	108	150
NS60	90	135
D23	80	93
N50	64	112
N70	42	84

HEAVY DUTY BATTERIES		
TYPE	EURO PALLET 80x120 cm	STANDARD PALLET 110x130 cm
A	24	36
B - D5	21	30
C - D6	18	24



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