

CHLORIDE

Automotive Batteries Catalogue





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About Chloride

Chloride Egypt is a leading manufacturer of automotive and industrial batteries with an annual production capacity of two million batteries. It has two manufacturing plants located in two of the most prominent industrial areas in Egypt; Abou Rawash and 6th of October city. Chloride's portfolio of products is diversified and serves many sectors such as industrial and consuming sectors. Chloride sells its products through an efficient distributional channels that cover all Egyptian governorates and exports to many countries around the world.

Our Vision and Mission



Vision

To be the 1st choice in all the Automotive, Industrial and Residential Batteries' applications and projects, ensuring the usability, accessibility and reliability to everyone, anywhere.

Mission

Manufacture and develop high quality products and cost effective energy solutions that are complemented with a reliable and responsive after sales service in the context of our dedicated commitment towards our clients, our industry, our country, and our Mother Earth.

Our Values

Our core values are what frames all of the business activities that we carry on to achieve our mission and vision. They are Commitment, Quality and Efficiency and Environmentalism.

Commitment

We understand the needs of our customers and work to satisfy these needs with our high quality reasonable priced products. However, our commitment goes beyond producing a high quality battery, as we pay the greatest attention to our outstanding after sales and warranty services. Thus, we pride ourselves to be customer-oriented.

Quality and Efficiency

Our professional approach, to excel in delivering high quality solutions to our customers, is characterized by encompassing the latest technology that the industry of batteries reached. We customize our products to be compatible with the extreme temperature; hot and cold.

Environmentalism

In an industry such as ours; environmental concerns are of high priority. We are proud to be the leader of applying environment excellence measures in production, distribution and disposing.

History

Founded in 1981
and based on 100
years of experience
from Chloride
Group of England

CHLORIDE

1981

In 1988, Chloride
started manufactur-
ing industrial batter-
ies in Egypt

CHLORIDE
INDUSTRIAL

1988

In May 1996,
Chloride has been
certified by ISO with
ISO 9002 – 1994
certification



1996

In 1998, Electra was
founded and
launched its
business in Egypt as
our distributor



1998

In May 2002,
Chloride has been
certified by ISO with
ISO 9001 – 1994
certification



2002

In July 2005,
Chloride has been
certified by TUV
with ISO 16949 –
1994 certification



2005

In March 2011, Chlo-
ride factory in 6th
Oct. Industrial City
has been opened



2011

In June 2017,
Chloride has been
certified by ISO for
Environmental
Management



2017

Awards and Certificates

Awards



Certificates

IATF 16949



ISO 14001:2015(EMS) 6th of October Factory



ISO 14001:2015(EMS) Abou Rawash Factory



Success Partners



Battery Ratings

Nominal Capacity (C20)

The ampere-hour capacity measure the total of electricity in the battery

The ampere -hour capacity is the amount of electricity that a battery can deliver during 20 h before the voltage fails to 10.50 V.

For example: a 60Ah battery will deliver 3A for 20 hours.

Cold Cranking Ampere (CCA)

The cold cranking ampere measure the starting performance of the battery.

I.e. The higher the CCA the easier it will be to start the vehicle.

Reserve Capacity (RC.)

The amount of time in minutes that a battery at 25° C can deliver a current of 25 ampere until the voltage drops to 10.50 V.

MAGIC EYE

State of Charge is Ok >>>>>

Green

Recharge Battery >>>>>

Black

Replace Battery >>>>>

Light

Technology Used

Chloride sealed maintenance free batteries are designed and manufactured with latest technology used in battery manufacturing using Ca-Ca alloy giving:

- 1- Very low self-discharge rate
- 2- Low internal resistance for reliable power
- 3- High cold start

Expanded metal technology giving

- 1- Low internal resistance
- 2- Resistance for overcharging
- 3- Strong corrosion resistance

Sealed cover with built in flame arresters and magic eye

- 1- Resistance to acid loss
- 2- Preventing explosion from external sparks (flame arrester)
- 3- Battery status check (magic eye)

Very low resistance envelope poly ethylene separator encapsulated negative plates

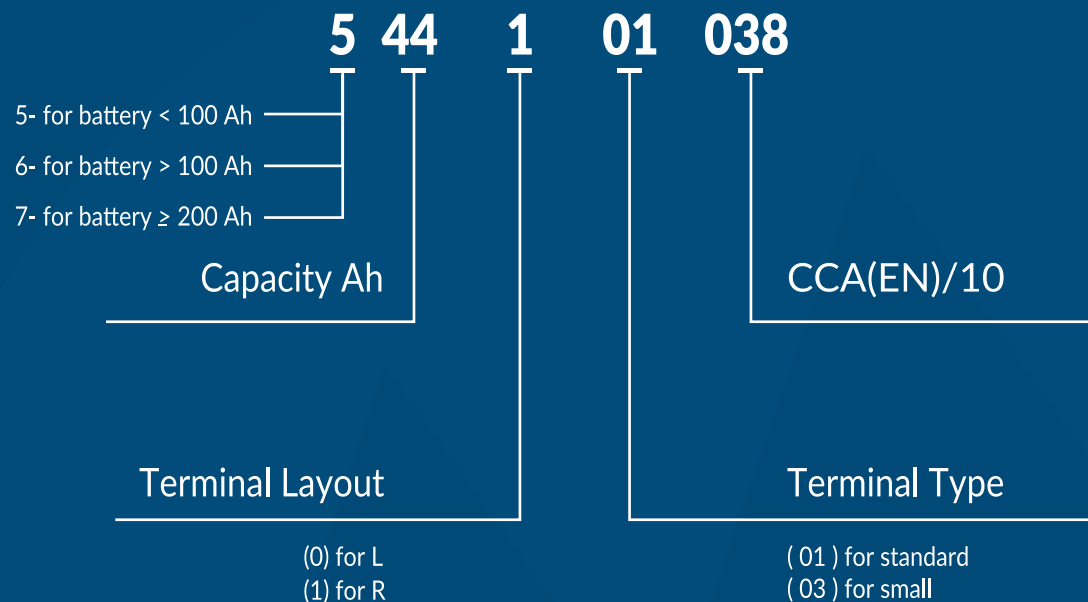
- 1- Helps to prevent shorting
- 2- Prevent Treeing between plates
- 3- Aid in vibration resistance

Chloride Battery Code Meaning

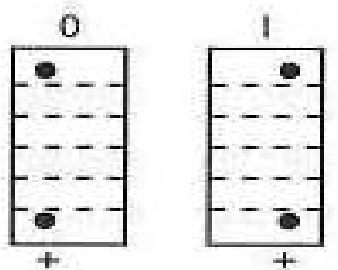
First: Chloride Battery Code for DIN Type

Example

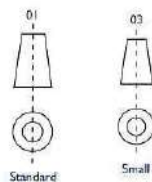
Code	Meaning
5	Battery less than 100 Ah
44	Ah
1	Right terminal
01	Standard Terminal
038	CCA (EN)/10



Terminal Layout



Terminals Type

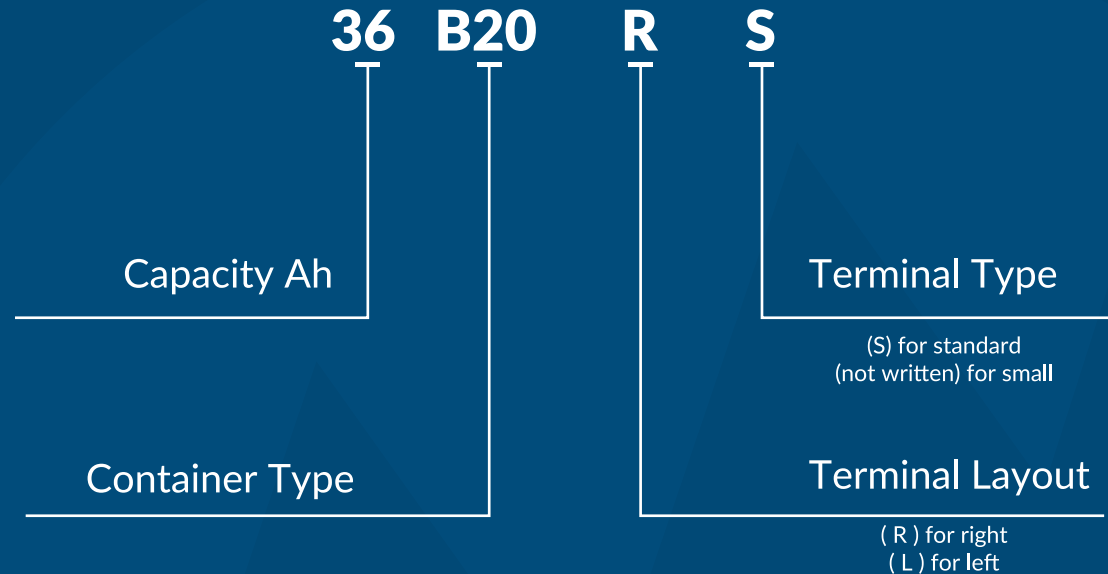


Chloride Battery Code Meaning

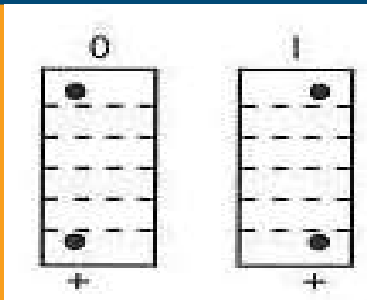
Second : Chloride Battery Code for JIS Type

Example

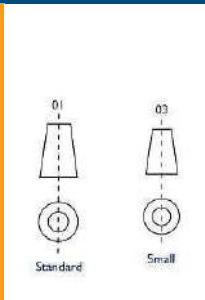
Code	Meaning
60	Ah
D26	Container
R	Right terminal
S	Standard Terminal



Terminal Layout



Terminals Type

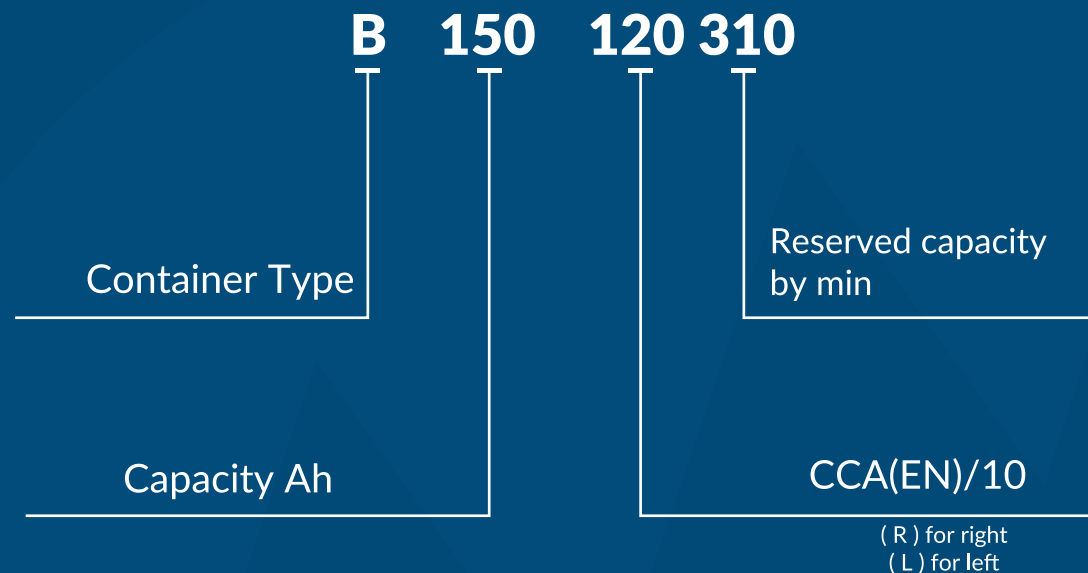


Chloride Battery Code Meaning

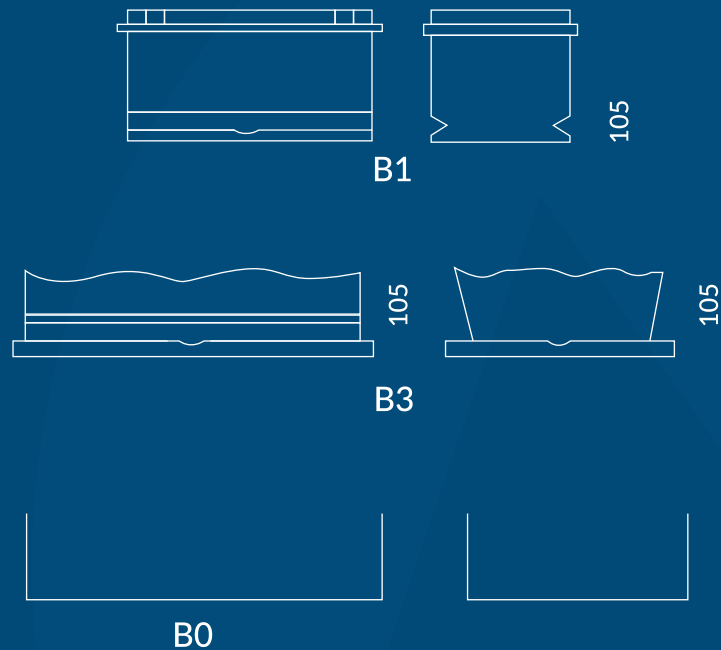
Third: Chloride Battery Code for Truck Batteries Type

Example

Code	Meaning
B	Container Type
150	Capacity Ah
120	CCA(EN)/10
310	Reserved capacity by min



Container Base Hold Down available at Chloride



Standard Container
No Hold Down

Inside Battery



Battery Group



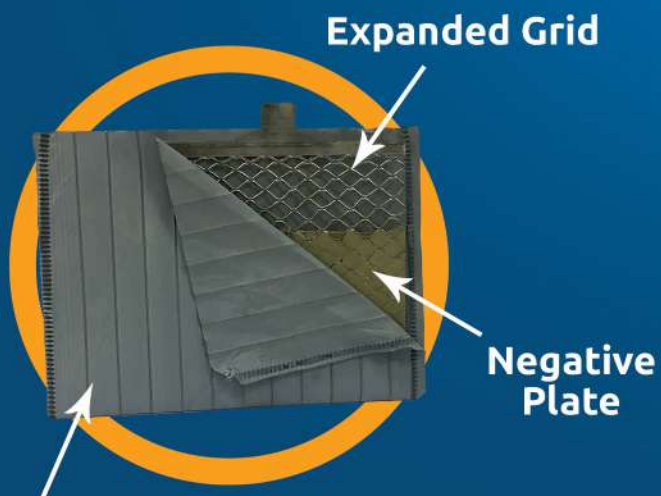
Primary Lid

Magic EYE

Secondary Lid



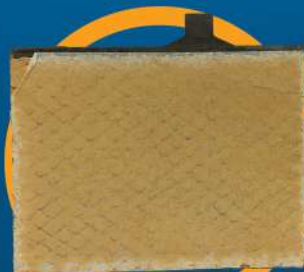
Battery Group with post



Expanded Grid

Negative Plate

P. E Insulator



Positive Plate

3 Wheeler Batteries

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Chloride Catalogue

Serial	Battery Type		Battery specifications						Container			Battery Dimensions (mm)		
	Name	Code	volt	Ah	RC min	CCA (DIN)	CCA (EN)	CCA (SAE)	Standard size	Material	Base Hold Down	L	W	H
1	NS40	25B20R	12	25	45	175	253	304	B20	PP	B0	196	128	223
2	NS40L	25B20L	12	25	45	175	253	304	B20	PP	B0	196	128	223



Passenger Car Batteries

Serial	Battery Type		Battery specifications						Container			Battery Dimensions (mm)		
	Name	Code	volt	Ah	RC min	CCA (DIN)	CCA (EN)	CCA (SAE)	Standard size	Material	Base Hold Down	L	W	H
1	DIN36	536 . 101 . 032	12	36	61	195	320	330	L1	PP	B3	207	175	189.4
2	DIN36L	536 . 001 . 032	12	36	61	195	320	330		PP	B3	207	175	189.4
3	DIN44	544 . 101 . 038	12	44	77	230	380	390		PP	B3	207	175	189.4
4	DIN44L	544 . 001 . 038	12	44	77	230	380	390		PP	B3	207	175	189.4
5	D50	550 . 101 . 043	12	50	88	260	430	430	L2	PP	B3	241.5	175	188.4
6	D50L	550 . 001 . 043	12	50	88	260	430	430		PP	B3	241.5	175	188.4
7	DIN55	555 . 101 . 047	12	55	99	280	470	460		PP	B3	241.5	175	188.4
8	DIN55L	555 . 001 . 047	12	55	99	280	470	460		PP	B3	241.5	175	188.4
9	TD70	562 . 101 . 051	12	62	110	310	510	500	L3	PP	B3	241.5	175	188.4
10	TD70L	562 . 001 . 051	12	62	110	310	510	500		PP	B3	241.5	175	188.4
11	DIN66	566 . 101 . 055	12	66	121	330	550	535		PP	B3	276	175	190.4
12	DIN66L	566 . 001 . 055	12	66	121	330	550	535		PP	B3	276	175	190.4
13	DIN72	572 . 101 . 060	12	72	132	365	600	590	L4	PP	B3	276	175	190.4
14	DIN72L	572 . 001 . 060	12	72	132	365	600	590		PP	B3	276	175	190.4
15	DIN74	574 . 101 . 060	12	74	132	365	600	590		PP	B3	276	175	190.4
16	DIN74L	574 . 001 . 060	12	74	132	365	600	590		PP	B3	276	175	190.4
17	TD75	575 . 101 . 060	12	75	132	365	600	590	L5	PP	B3	276	175	190.4
18	TD75L	575 . 001 . 060	12	75	132	365	600	590		PP	B3	276	175	190.4
19	DIN88	588 . 101 . 072	12	88	171	435	720	695		PP	B3	352	175	190.4
20	DIN88L	588 . 001 . 072	12	88	171	435	720	695		PP	B3	352	175	190.4
21	TD100	600 . 101 . 082	12	100	176	495	820	785		PP	B3	352	175	190.4
22	TD100L	600 . 001 . 082	12	100	176	495	820	785		PP	B3	352	175	190.4



Light Vehicle Batteries

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Chloride Catalogue

Serial	Battery Type		Battery specifications						Container			Battery Dimensions (mm)		
	Name	Code	volt	Ah	RC min	CCA (DIN)	CCA (EN)	CCA (SAE)	Standard size	Material	Base Hold Down	L	W	H
1	NS40	32B20R	12	32	50	205	340	350	B20	PP	BO	196	128	223
2	NS40L	32B20L	12	32	50	205	340	350		PP	BO	196	128	223
3	NS40S	32B20RS	12	32	50	205	340	350		PP	BO	196	128	223
4	NS40 LS	32B20LS	12	32	50	205	340	350		PP	BO	196	128	223
5	NS40Z	36B20R	12	36	60	220	360	370		PP	BO	196	128	223
6	NS40ZL	36B20L	12	36	60	220	360	370		PP	BO	196	128	223
7	NS40ZS	36B20RS	12	36	60	220	360	370		PP	BO	196	128	223
8	NS40ZLS	36B20LS	12	36	60	220	360	370		PP	BO	196	128	223
9	N40S	40B24RS	12	40	66	250	410	410	B24	PP	BO	236	128	223
10	N40LS	40B24LS	12	40	66	250	410	410		PP	BO	236	128	223
11	N40	40B24R	12	40	66	250	410	410		PP	BO	236	128	223
12	N40L	40B24L	12	40	66	250	410	410		PP	BO	236	128	223
13	NS60S	45B24RS	12	45	77	275	460	450		PP	BO	236	128	223
14	NS60LS	45B24LS	12	45	77	275	460	450		PP	BO	236	128	223
15	NS60	45B24R	12	45	77	275	460	450		PP	BO	236	128	223
16	NS60L	45B24L	12	45	77	275	460	450		PP	BO	236	128	223
17	N50	50D26R	12	50	88	305	500	495	D26	PP	BO	259	172	221
18	N50L	50D26L	12	50	88	305	500	495		PP	BO	259	172	221
19	N50Z	60D26R	12	60	110	365	600	590		PP	BO	259	172	221
20	N50ZL	60D26L	12	60	110	365	600	590		PP	BO	259	172	221
23	NS70	65D26R	12	65	120	395	660	635		PP	BO	259	172	221
24	NS70L	65D26L	12	65	120	395	660	635		PP	BO	259	172	221
23	D23	60D23R	12	60	110	365	600	590	D23	PP	B1	230	178	225
24	D23L	60D23L	12	60	110	365	600	590		PP	B1	230	178	225



Heavy Truck & Buses Batteries

Serial	Battery Type		Battery specifications						Container			Battery Dimensions (mm)		
	Name	Code	volt	Ah	RC min	CCA (DIN)	CCA (EN)	CCA (SAE)	Standard size	Material	Base Hold Down	L	W	H
23	N70	70D31R	12	70	130	430	710	685	D31	PP	B0	305	172.5	220.5
24	N70L	70D31L	12	70	130	430	710	685		PP	B0	305	172.5	220.5
25	N70Z	75D31R	12	75	140	460	770	735		PP	B0	305	172.5	220.5
26	N70ZL	75D31L	12	75	140	460	770	735		PP	B0	305	172.5	220.5
27	N80	80D31R	12	80	150	495	830	785		PP	B0	305	172.5	220.5
28	N80L	80D31L	12	80	150	495	830	785		PP	B0	305	172.5	220.5
29	N80Z	85D31R	12	85	170	505	840	800		PP	B0	305	172.5	220.5
30	N80ZL	85D31L	12	85	170	505	840	800		PP	B0	305	172.5	220.5
31	N90	90D31R	12	90	180	520	860	815		PP	B0	305	172.5	220.5
32	N90L	90D31L	12	90	180	520	860	815		PP	B0	305	172.5	220.5
33	N100	100D31R	12	100	197	550	920	865		PP	B0	305	172.5	220.5
34	N100L	100D31L	12	100	197	550	920	865		PP	B0	305	172.5	220.5
31	N150	B150 120 310	12	150	310	720	1200	1120	B	PP	B0	510	222	217
32	N180	C180 141 381	12	180	381	847	1412	1311	B	PP	B0	510	222	217
33	N180	C180 141 381	12	180	381	847	1412	1311	C	PP	B0	517	272	244
34	N200	C200 162 429	12	200	429	974	1623	1500	C	PP	B0	517	272	244
35	N220	C220 176 477	12	220	477	1060	1765	1628	C	PP	B0	517	272	244





Safety Precautions

This Important health and safety regulations should be followed prudently. All persons who test, charge, fit or handle lead acid batteries must be aware of the dangers which present this product. It is imperative that manufacturer's instructions should be read carefully and complied with.




- Using rubber gloves and goggles or other suitable eye protection when handling batteries.
- Keep batteries away from flames, sparks, burning cigarettes or other ignition sources.
- Avoid placing any metal objects on the top of the battery to prevent any short circuits.
- Do not drop or tilt batteries to an angle greater than 45° deg.
- Before installing battery remove corrosion from clamps and connectors.
- Install battery in horizontal position and tighten hold-down and connectors according to guideline specifications.
- When replacing the battery always disconnect the ground cables first.



Storage Instructions

- Space must equal the store space (Either vertical or horizontal).
- 1/3 of the space is for facilities management and 2/3 is for Racks.
- Racks must be for heavy duty to withstand the batteries' weight.
- If the storage is not attached to the shop, the road between them must be paved and easily accessible. A van of any size, a forklift or Hand Pallet depending on how far the storage is from the store.
- The ceiling is recommended to be of appropriate height to prevent the sunlight.
- As for windows, it's recommended a window for each 10 meter square and be of height 4 meter.
- As for doors, the entry must be the exit and it's recommended to have an emergency door.
- Ventilation is recommended to be in the ceiling.
- It's a must to have upper racks for storing the batteries and in case of large stores, wooden pallets are recommended .



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    / Chloride Egypt

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