

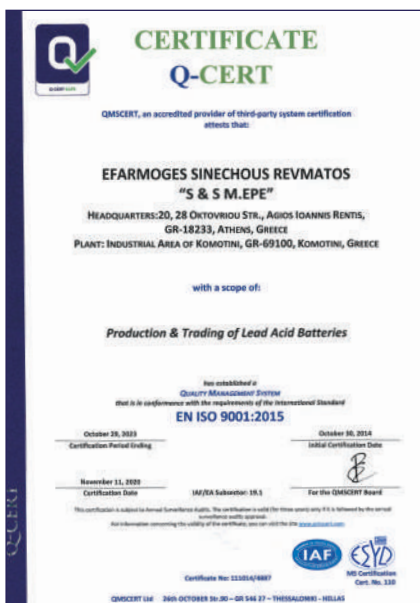


# Nova Batteries Product Catalog



S&S Ltd, a fast growing Greek company, since 1964, produces, distributes and exports starter lead acid batteries for a wide range of applications

Following every technological development in the constantly changing international market place, combining it with over than 50 years old experience in the production and distribution of batteries, the company continuously researches and develops new technologies, in order to produce the best quality products and to offer the best possible service to the benefit of its customers.



strong and immediate startup of your engine

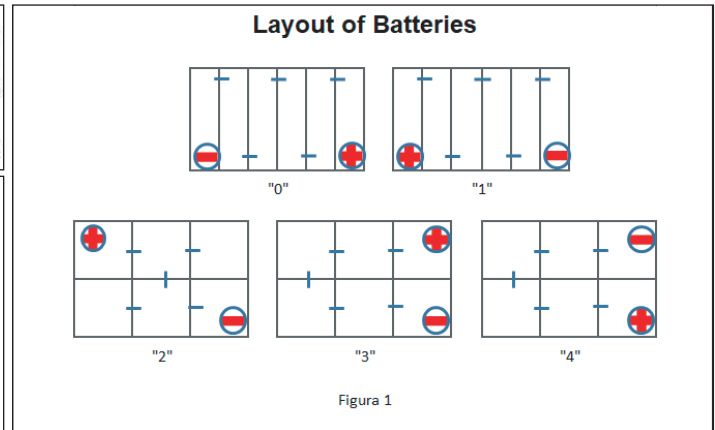
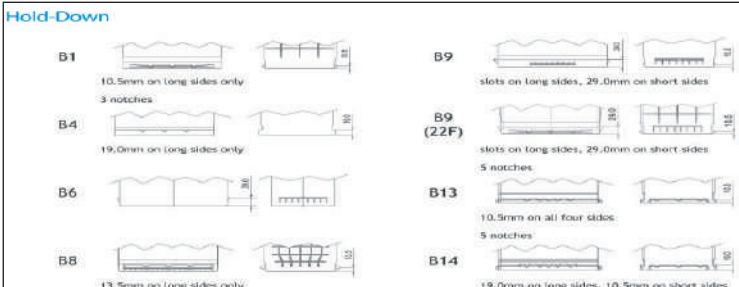
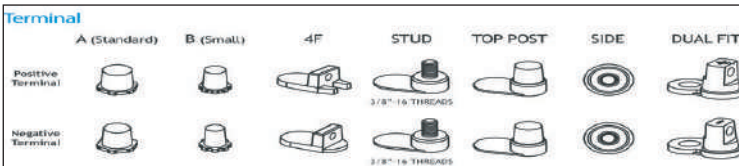
# Nova Batteries Catalog

BOX	TYPE	Ah C20	CCA 18o		Dimensions (mm)			Polarity	Post Type	Hold Down
			EN	SAE	Length	Width	Height			

BOX	TYPE	Ah C20	CCA 18o		Dimensions (mm)			Polarity	Post Type	Hold Down
			EN	SAE	Length	Width	Height			

Car batteries - DIN Standard - European cars - Sealed MF											
12V 45	L01	54459	45	300	310	207	175	190	0	1	B13
12V 45	L01	54459	45	300	310	207	175	190	1	1	B13
12V 50	L01	55054	50	380		207	175	190	0	1	B13
12V 50	L01	55054	50	380		207	175	190	1	1	B13
12V 55	L02	55559	55	450	470	242	175	190	0	1	B13
12V 55	L02	55565	55	450	470	242	175	190	1	1	B13
12V 60	L02	56219	60	500	520	242	175	190	0	1	B13
12V 60	L02	56220	62	500	520	242	175	190	1	1	B13
12V 65A	L03	56513	65	510	540	278	175	190	0	1	B13
12V 65A	L03	56513	65	510	540	278	175	190	1	1	B13
12V 66A	L03	56638	66	510	540	278	175	190	0	1	B13
12V 66A	L03	56633	66	510	540	278	175	190	1	1	B13
12V 70	L03	57012	70	550	580	278	175	190	0	1	B13
12V 70	L03	57012	70	550	580	278	175	190	1	1	B13
12V 74	L03	57412	74	640	660	278	175	190	0	1	B13
12V 74	L03	57412	74	640	660	278	175	190	1	1	B13
12V 80A	L03	58012	80	660	690	278	175	190	0	1	B13
12V 80A	L03	58013	80	660	690	278	175	190	1	1	B13
12V 85	L05	58527	85	660	690	353	175	190	0	1	B13
12V 90	L05	59012	90	690	720	353	175	190	0	1	B13
12V 90	L05	59013	90	690	720	353	175	190	1	1	B13
12V 95	L05	59512	95	700	730	353	175	190	0	1	B13
12V 100	L05	60038	100	700	730	353	175	190	0	1	B13
12V 100	L05	60044	100	700	730	353	175	190	2	1	B13
12V 100	L05	60039	100	700	730	353	175	190	1	1	B13
12V 105	L05	60538	105	720	750	353	175	190	0	1	B13
12V 105	L05	60539	105	720	750	353	175	190	1	1	B13
12V 110	L06	61028	110	850	910	393	175	190	0	1	B13
12V 110	L06	61027	110	850	910	393	175	190	2	1	B13
12V 110	L06	61029	110	850	910	393	175	190	1	1	B13

HEAVY DUTY for Trucks (Hybrid Technology Ca/Sb - Wet Charged)											
12V 120	A	62034	120	850	910	513	189	218	0	1	B00
12V 120	A	62014	120	850	910	513	189	218	1	1	B00
12V 125	A	62534	125	800	860	513	189	218	0	1	B00
12V 125	A	62533	125	800	860	513	189	218	1	1	B00
12V 125	A	62524	125	800	860	513	189	218	2	1	B00
12V 125	A	62525	125	800	860	513	189	218	3	1	B00
12V 135	A	63520	135	1000	1035	513	189	218	3	1	B00
12V 135	A	63521	135	1000	1035	513	189	218	4	1	B00
12V 140	A	64020	140	900	950	513	189	218	3	1	B00
12V 140	A	64021	140	900	950	513	189	218	4	1	B00
12V 150	B	65032	150	900	950	513	223	223	3	1	B00
12V 150	B	65002	150	900	950	513	223	223	4	1	B00
12V 155	B	65532	155	900	950	513	223	223	3	1	B00
12V 155	B	65502	155	900	950	513	223	223	4	1	B00
12V 155	B	66014	160	900	950	513	223	223	3	1	B00
12V 155	B	66014	160	900	950	513	223	223	4	1	B00
12V 165	B	66532	165	950	980	513	223	223	3	1	B00
12V 165	B	66502	165	950	980	513	223	223	4	1	B00
12V 170	B	67032	170	1000	1050	513	223	223	3	1	B00
12V 170	B	67002	170	1000	1050	513	223	223	4	1	B00
12V 180	B	68032	180	1000	1050	513	223	223	3	1	B00
12V 180	B	68002	180	1000	1050	513	223	223	4	1	B00
12V 185	B	68532	185	1000	1050	513	223	223	3	1	B00
12V 185	B	68514	185	1000	1050	518	276	242	4	1	B00
12V 200	C	70014	200	1050	1100	518	276	242	3	1	B00
12V 200	C	70015	200	1050	1100	518	276	242	4	1	B00
12V 220	C	72014	220	1200	1310	518	276	242	3	1	B00
12V 240	C	72414	240	1200	1400	518	276	242	3	1	B00



# Nova Batteries Catalog

TYPE	Ah C20	CCA 18o		Dimensions (mm)			Polarity	Post Type	Hold Down
		EN	SAE	Length	Width	Height			

AGM BATTERIES										
12V 60	AGM-60	60	680	720	242	175	190	0	1	B13
12V 70	AGM-74	70	760	800	278	175	190	0	1	B13
12V 80	AGM-80	80	800	850	278	175	190	0	1	B13
12V 95	AGM-95	95	850	900	353	175	190	0	1	B13
12V 105	AGM-105	105	950	1000	353	175	190	0	1	B13
12V 60	Start-Stop-60	60	680	720	242	175	190	0	1	B13
12V 70	Start-Stop-74	70	760	800	278	175	190	0	1	B13
12V 80	Start-Stop-80	80	800	850	278	175	190	0	1	B13
12V 95	Start-Stop-95	95	850	900	353	175	190	0	1	B13
12V 105	Start-Stop-105	105	950	1000	353	175	190	0	1	B13

BOX	TYPE	Ah C20	CCA 18o		Dimensions (mm)			Polarity	Post Type	Hold Down
			EN	SAE	Length	Width	Height			

SPECIAL BATTERIES (Hybrid Technology Ca/Sb - Wet Charged)											
12V 110	NATO	6TN-110	110	800		272	268	228	2	1	800
12V 25	NATO	6TN-125	125	800		272	268	228	2	1	800
12V 7AH	moto	Y7L	7	74	74	150	60	130	0	-	
12V 7AH	moto	Y7R	7	74	74	150	60	130	1	-	
12V 12AH	moto	Y14L	12	160		134	89	166	0	-	
12V 12AH	moto	Y14R	12	160		134	89	166	1	-	
12V 14AH	moto	Y14L	14	190	190	134	89	166	0	-	
12V 14AH	moto	Y14R	14	190	190	134	89	166	1	-	
12V 19AH	moto	Y19L	19	240	240	175	100	155	0	-	
12V 19AH	moto	Y19L	19	240	240	175	100	155	1	-	
12V 30AH	moto	53030	30	300		186	128	167	0	-	
12V 30AH	moto	53030	30	300		186	128	167	1	-	
12V 35AH	moto	53530	35	300		186	128	167	0	-	
12V 35AH	moto	53530	35	300		186	128	167	1	-	

**Terminal**

A (Standard) B (Small) 4F STUD TOP POST SIDE DUAL FIT

Positive Terminal

Negative Terminal

3/8" - 16 THREADS

3/8" - 16 THREADS

**Hold-Down**

B1 10.5mm on long sides only 3 notches

B4 19.0mm on long sides only

B6

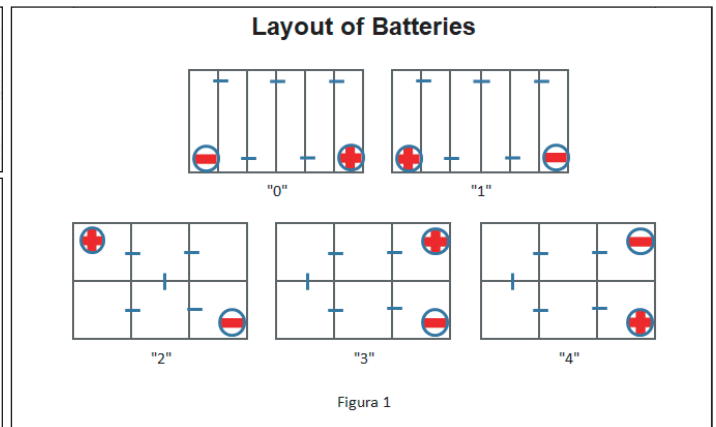
BB 19.5mm on long sides only

B9 slots on long sides, 29.0mm on short sides

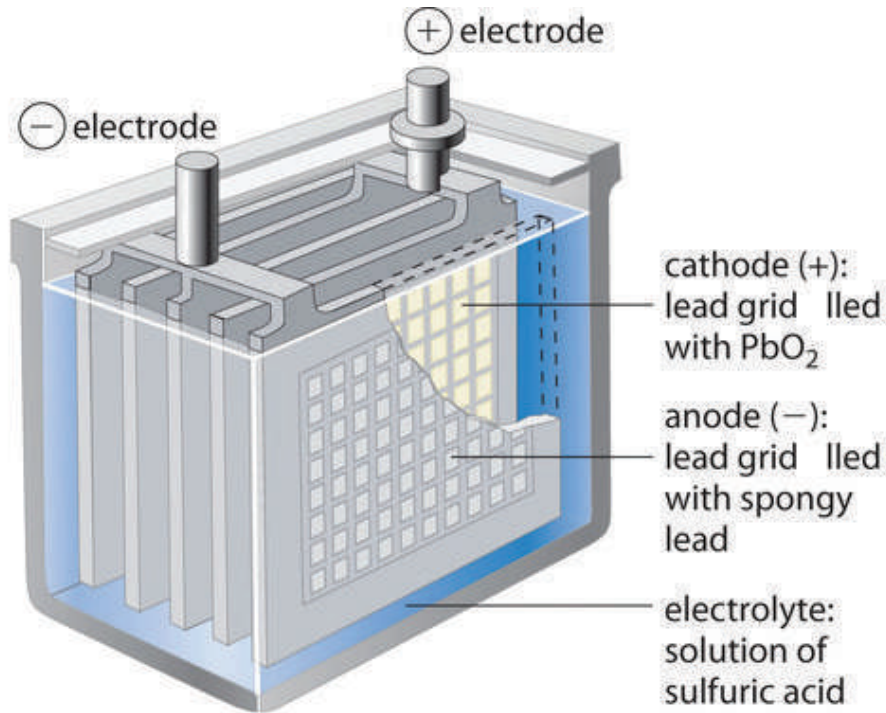
B9 (22F) slots on long sides, 29.0mm on short sides 5 notches

B13 10.5mm on all four sides 5 notches

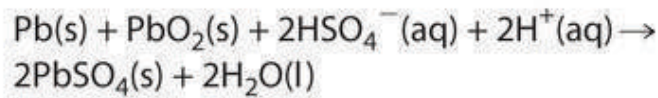
B14 19.0mm on long sides, 19.5mm on short sides



# P-A Batteries



cell reaction:



## Technical specifications of NATO Batteries

Battery type	Nominal Tension	Supply Capacity	Capacity C20	Temperature in Operation	Actual Discharge +25°C-40oC	Usable reserve	Shelf Life	Life cycle	Life span	Technology	Electrolyte weight
100 NA	12V	190min	100AH	-40°C- +60oC		30%DoD	3 Months	235	24 Months	Ca-Pb	29,5kg
110 NA	12V	200min	110AH	-40°C- +60oC	330A 420s in UF 6V 120s in UF 6V	30%DoD	3 Months	235	24 Months	Ca-Pb	32,5kg
125 NA	12V	235min	125AH	-40°C- +60oC	375A 420s in UF 6V 120s in UF 6V	30%DoD	3 Months	235	24 Months	Ca-Pb	34kg

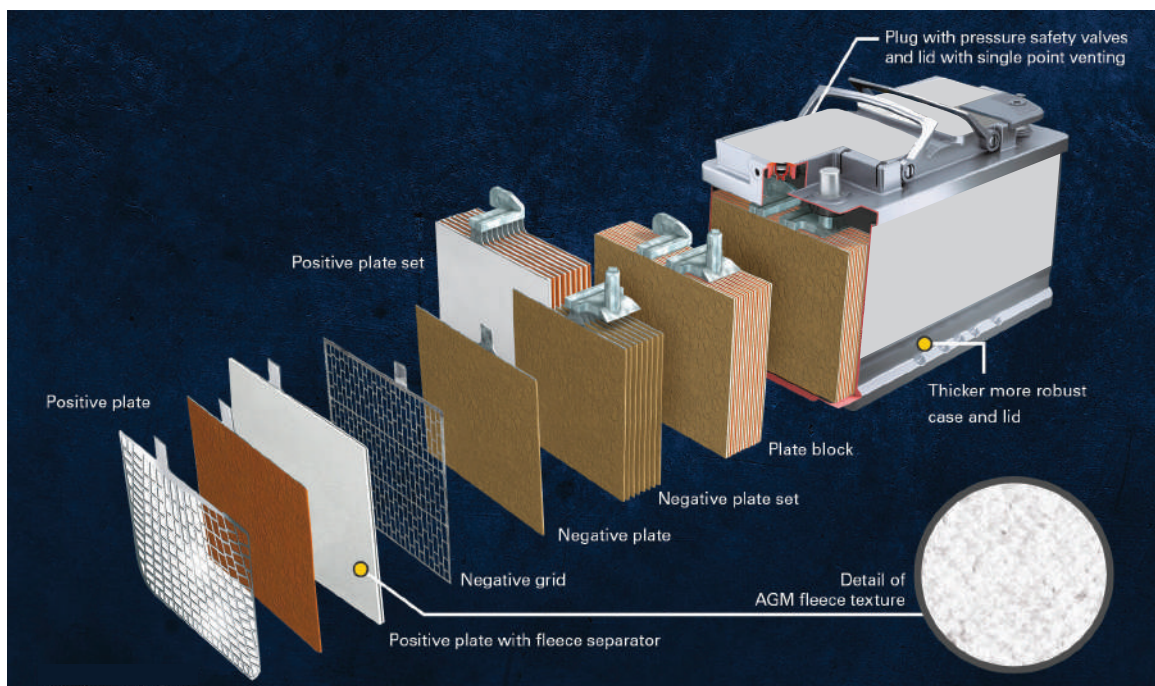
# AGM Batteries

## Technical specifications of AGM batteries

AGM BATTERIES, CHARGING STAGES	
CHARGE LEVEL	VOLTAGE
0%	10,50V
10%	11,51V
20%	11,66V
30%	11,81V
40%	11,95V
50%	12,05V
60%	12,15V
70%	12,30V
80%	12,50V
90%	12,75V
100%	13,00V

## Advantages of agm batteries

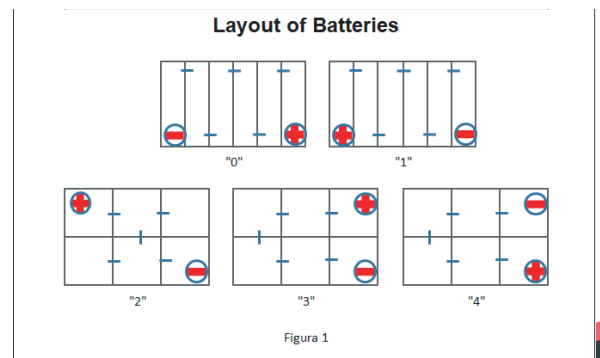
- high power, low internal resistance
- up to 5 times faster than with the lead-acid technology
- longer life cycle
- works well in low temperatures and cold
- has less electrolyte than the lead-acid batteries



# Battery types

Nr.	Type of batteries	Voltage (V)	Capacity C20 (Ah)	Current (A) CCA		Layout according to figure 1 (0,1,2,3,4)
				EN	SAE	
1	P-A	12	7	74	74	0
2	P-A	12	7	74	74	1
3	P-A	12	12	160		0
4	P-A	12	12	160		1
5	P-A	12	14	190	190	0
6	P-A	12	14	190	190	1
7	P-A	12	19	240	240	0
8	P-A	12	19	240	240	1
9	P-A	12	30	300		0
10	P-A	12	30	300		1
11	P-A	12	35	300		0
12	P-A	12	35	300		1
13	P-A	12	45	300	310	0
14	P-A	12	45	300	310	1
15	P-A	12	50	380		0
16	P-A	12	50	380		1
17	P-A	12	55	450	470	0
18	P-A	12	55	450	470	1
19	P-A	12	60	500	520	0
20	P-A	12	60	500	520	1
21	P-A	12	65	510	540	0
22	P-A	12	65	510	540	1
23	P-A	12	66	510	540	0
24	P-A	12	66	510	540	1
25	P-A	12	70	550	580	0
26	P-A	12	70	550	580	1
27	P-A	12	74	640	660	0
28	P-A	12	74	640	660	1
29	P-A	12	80	660	690	0
30	P-A	12	80	660	690	1
31	P-A	12	85	660	690	0
32	P-A	12	90	690	720	0
33	P-A	12	90	690	720	1
34	P-A	12	95	700	730	0
35	P-A	12	100	700	730	0
36	P-A	12	100	700	730	2
37	P-A	12	100	700	730	1
38	P-A	12	105	720	750	0
39	P-A	12	105	720	750	1
40	P-A	12	110	850	910	0
41	P-A	12	110	850	910	2
42	P-A	12	110	850	910	1
43	P-A	12	120	850	910	0
44	P-A	12	120	850	820	1
45	P-A	12	125	800	860	0
46	P-A	12	125	800	860	1
47	P-A	12	125	800	860	2
48	P-A	12	125	800	860	3
49	P-A	12	135	1000	1035	3
50	P-A	12	135	1000	1035	4

Nr.	Type of batteries	Voltage (V)	Capacity C20 (Ah)	Current (A) CCA		Layout according to figure 1 (0,1,2,3,4)
				EN	SAE	
51	P-A	12	140	900	950	3
52	P-A	12	140	900	950	4
53	P-A	12	150	900	950	3
54	P-A	12	150	900	950	4
55	P-A	12	155	900	950	3
56	P-A	12	155	900	950	4
57	P-A	12	160	900	950	3
58	P-A	12	160	900	950	4
59	P-A	12	165	950	980	3
60	P-A	12	165	950	980	4
61	P-A	12	170	1000	1050	3
62	P-A	12	170	1000	1050	4
63	P-A	12	180	1000	1050	3
64	P-A	12	180	1000	1050	4
65	P-A	12	185	1000	1050	3
66	P-A	12	185	1000	1050	4
67	P-A	12	200	1050	1100	3
68	P-A	12	200	1050	1100	4
69	P-A	12	220	1200	1310	3
70	P-A	12	240	1200	1400	3
71	AGM	12	60	680	720	0
72	AGM	12	70	760	800	0
73	AGM	12	80	800	850	0
74	AGM	12	95	850	900	0
75	AGM	12	105	950	1000	0
76	Start-Stop	12	60	680	720	0
77	Start-Stop	12	70	760	800	0
78	Start-Stop	12	80	800	850	0
79	Start-Stop	12	95	850	900	0
80	Start-Stop	12	105	950	1000	0
81	NATO	12	110	800		2
82	NATO	12	125	800		2





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