



# TITANIUM



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TITANIUM







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# TITANIUM RANGE: EXPERTISE AND INNOVATION

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The TITANIUM range comes from FIAMM expertise and technology, resulting from the OEM first outfit, manufacturing process and technology business nowadays available in the spare parts market, a top level product with a strong Italian personality.

A close-up, artistic photograph of a red car's front end. The focus is on the headlight and side mirror. The car's body is a deep, glossy red. The headlight is a modern, multi-lens design with a clear lens and a black housing. The side mirror is black and sleek. The background is dark, making the car's details stand out.

# FIAMM

## THE BEST AMONG THE BEST.

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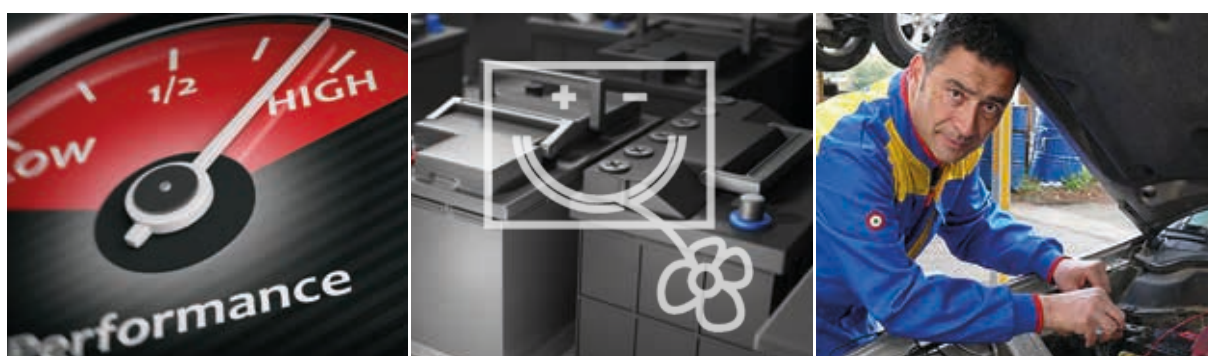
Now FIAMM is the world leader for top quality starter batteries for the first outfit of some of the world's most prestigious car manufacturers, that is: Opel-Vauxhall, Mercedes Benz, Peugeot-Citroën, Renault, Ferrari, Maserati, FCA Group, Volvo, Jaguar, Toyota and Nissan.

# DEFINITELY FIAMM.

**TITANIUM PRO** and **black TITANIUM** are FIAMM quality products, meet the European EN reference standards, contribute to respect for the environment with the programme for exhaust battery recovery called "Raccolta Amica"\* and are recommended by the specialists of FIAMM Network.

FIAMM can count on a many sales points including workshops, car electricians and spare parts vendors specialised in energy in Italy. FIAMM has privileged the relationship with these professionals since the start. This relationship, in addition to the many signs found nationwide, has allowed us to acquire notoriety and become known by motorists too. There are more than 1200 workshops which, all over Italy, joined the programme of FIAMM Network obtaining benefits as for visibility, recognisability, dedicated discounts and promotions.

\* AVAILABLE ONLY IN ITALY.



## ENFORCEMENT DATE OF EN 50342-1: 2015-11

The new edition of EN 50342-1 came into force at the **end of 2018**.

**EN 50342-1:** Lead-acid starter batteries - Part 1: General requirements and methods of test.

This standard governs measurement of the electrical and mechanical properties of lead-acid batteries for automotive applications.

One of the innovations of the 2015 edition of EN 50342-1 is the classification of some battery performances levels.

THE PERFORMANCE  
TO BE CLASSIFIED  
AND THE RESPECTIVE  
LEVELS ARE:

EN 50342-1: 2015	MIN	MAX
Water consumption	W1	W5
Charge storage	C1	C2
Resistance to vibrations	V1	V4
Cycle duration	E1	E4

Example of specifications stated on label:

12 V 180 Ah 1100 A EN  
EN 50342-1: W2-C2-V3-E2



# TITANIUM

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## SEPARATOR

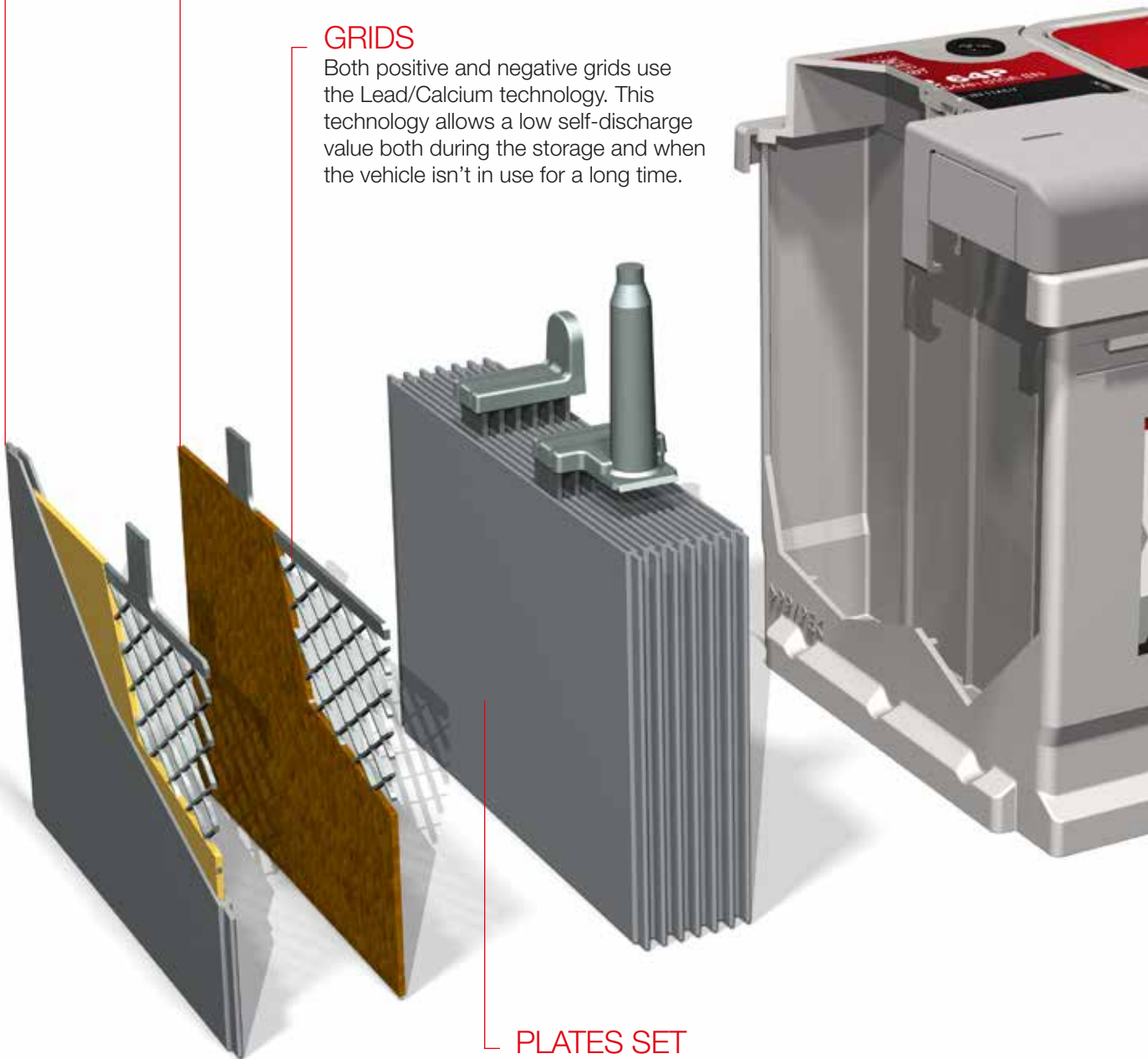
Microporous separator more resistant to traction, mechanical perforation and oxidation. Reduced risk for short circuits between positive and negative plates.

## PLATES

Optimization of the density and formulation of the active masses to guarantee the stability of the functional characteristics and make the battery performance constant over time.

## GRIDS

Both positive and negative grids use the Lead/Calcium technology. This technology allows a low self-discharge value both during the storage and when the vehicle isn't in use for a long time.



## PLATES SET

The high purity of the components and the optimization of the production processes guarantee greater reliability in operation.



## MATCHING QUALITY SPARE PARTS

FIAMM original batteries are produced at the same manufacturing plants where the first outfit components are manufactured; they are all certified according to the Automotive ISO/TS 16949 standard, using the same technology, labour, tooling and controls approved by the car manufactures concerned.



## SPC COVER (SAFETY POWER CHECKED)

It is available on all batteries, "L" and "LB" series, in the TITANIUM range: the SPC (Safety Power Checked) cover has a ducting system with a single gas exhaust port and a flame arrester pad, inside the cover, to zero the risks caused by occasional sparks or open flames outside of the battery.

The SPC cover is currently used as first outfit on all new vehicles of the major car manufacturers.



## MAINTENANCE-FREE ACCORDING TO EN 50342 STANDARD

TITANIUM range batteries do not require any top up all life long. Water consumption is so low that the factory reserve of electrolyte is enough for all the years of battery utilisation.

According to the current EN 50342-1:2006-04 standard on L and LB TITANIUM series batteries, the water consumption level is lower than 1 g/Ah.

# TITANIUM



**TITANIUM PRO:** maximum power for the most demanding requirements by modern cars, in the most common European sizes (DIN), with the certainty of a 100% Italian product.

SPC (Safety Power Checked) cover used by the European car manufacturers, maintenance free according to EN 50342 standard and qualified as MATCHING QUALITY SPARE PART according to the European regulations EU 461/2010 are the main product benefits.

Useful Check Control on the whole range, for a quick check of the best load conditions.







## TITANIUM PRO MAIN ADVANTAGES

- › high functionality of the cover
- › low self-discharge
- › corrosion resistance
- › high starting power
- › safety guaranteed with flame arrester pad
- › maintenance-free thanks to the use of the Calcium/Lead technology

## TECHNICAL SPECIFICATIONS

Item code	ID code	ETN	EAN code	Capacity Ah	A EN	Size LxDxH (mm)	Polarity scheme	Base fastener	EN 50342-1:2015 - EN 50342-6:2015			
									Water consumption	Charge Retention	Resistance to vibrations	Endurance Mycro Cycle
7905140	L0 44P	544 150 039	8009601214160	44	390	175x175x190	0/1	B13	W3	C2	V2	E1
7905141	L1 44P	544 107 039	8009601214177	44	390	207x175x190	0/1	B13	W3	C2	V2	E1
7905142	L1B 44P	544 111 042	8009601214184	44	420	207x175x175	0/1	B13	W3	C2	V2	E1
7905143	L1 50P	550 150 046	8009601214191	50	460	207x175x190	0/1	B13	W3	C2	V2	E1
7905144	L1B 50P	550 150 052	8009601214207	50	520	207x175x175	0/1	B13	W3	C2	V2	E1
7905145	L1 54P	554 150 052	8009601214214	54	520	207x175x190	0/1	B13	W3	C2	V2	E1
7905146	L2B 54P	554 150 054	8009601214221	54	540	242x175x175	0/1	B13	W3	C2	V2	E1
7905147	L2 60P	560 155 054	8009601214238	60	540	242x175x190	0/1	B13	W3	C2	V2	E1
7905148	L2X 60P	560 156 054	8009601214245	60	540	242x175x190	1/1	B13	W3	C2	V2	E1
7905149	L2B 60P	560 119 060	8009601214252	60	600	242x175x175	0/1	B13	W3	C2	V2	E1
7905150	L2 64P	564 150 061	8009601214269	64	610	242x175x190	0/1	B13	W3	C2	V2	E1
7905151	L2X 64P	564 151 061	8009601214269	64	610	242x175x190	1/1	B13	W3	C2	V2	E1
7905152	L3 70P	570 111 064	8009601214283	70	640	278x175x190	0/1	B13	W3	C2	V2	E1
7905153	L3B 71P	571 101 068	8009601214290	71	680	278x175x175	0/1	B13	W3	C2	V2	E1
7905154	L3 74P	574 102 068	8009601214306	74	680	278x175x190	0/1	B13	W3	C2	V2	E1
7905155	L3X 74P	574 103 068	8009601214313	74	680	278x175x190	1/1	B13	W3	C2	V2	E1
7905156	L3B 75P	575 150 073	8009601214320	75	730	278x175x175	0/1	B13	W3	C2	V2	E1
7905157	L3 80P	580 150 073	8009601214337	80	730	278x175x190	0/1	B13	W3	C2	V2	E1
7905158	L4B 85P	585 150 076	8009601214344	85	760	315x175x175	0/1	B13	W3	C2	V2	E1
7905159	L5 90P	590 150 080	8009601214351	90	800	353x175x190	0/1	B13	W3	C2	V2	E1
7905160	L5 100P	600 150 087	8009601214368	100	870	353x175x190	0/1	B13	W3	C2	V2	E1



# TITANIUM

**Black TITANIUM:** the entire FIAMM expertise for a safe start.

MATCHING QUALITY SPARE PART qualification according to the Regulation EU 461/2010 and Check Control (only JIS formats) valorize the product.  
Maintenance-free according to EN 50342 standard.





## BLACK TITANIUM MAIN ADVANTAGES

- › low self-discharge
- › corrosion resistance
- › maintenance-free thanks to the use of the Calcium/Lead technology

## TECHNICAL SPECIFICATIONS

										EN 50342-1:2015 - EN 50342-6:2015			
Item code	ID code	ETN	EAN Code	Capacity Ah	A EN	Size LxDxH (mm)	Polarity scheme	Base fastener	Water consumption	Charge Retention	Resistance to vibrations	Endurance Micro Cycle	
7905161	B19J 38	538 150 030	8009601214375	38	300	187x127x220	0/3	B00	W2	C2	V2	E1	
7905162	B19JX 38	538 151 030	8009601214382	38	300	187x127x220	1/3	B00	W2	C2	V2	E1	
7905163	B19JAK 38	538 155 030	8009601214399	38	300	187x127x220	0/3	B01	W2	C2	V2	E1	
7905165	L1B 36	536 114 033	8009601214412	36	330	207x175x175	0/1	B13	W3	C2	V2	E1	
7905164	LO 40	540 108 033	8009601214405	40	330	175x175x190	0/1	B13	W3	C2	V2	E1	
7905166	L1 44	544 150 036	8009601214429	44	360	207x175x190	0/1	B13	W3	C2	V2	E1	
7905167	L1X 44	544 151 036	8009601214436	44	360	207x175x190	1/1	B13	W3	C2	V2	E1	
7905168	E2 45	545 115 033	8009601214443	45	330	218x133x223	0/1	B00	W2	C2	V2	E1	
7905169	E2X 45	545 116 033	8009601214450	45	330	218x133x223	1/1	B00	W2	C2	V2	E1	
7905170	B24 45	545 150 036	8009601214467	45	360	237x128x225	0/1	B00	W2	C2	V2	E1	
7905171	B24X 45	545 151 036	8009601214474	45	360	237x128x225	1/1	B00	W2	C2	V2	E1	
7905172	B24J 45	545 155 036	8009601214481	45	360	237x128x225	0/3	B01	W2	C2	V2	E1	
7905173	B24JX 45	545 156 036	8009601214498	45	360	237x128x225	1/3	B01	W2	C2	V2	E1	
7905174	D20 50	550 150 042	8009601214504	50	420	200x170x223	0/1	B01 (Int.)	W4	C2	V2	E1	
7905175	D20X 50	550 151 042	8009601214511	50	420	200x170x223	1/1	B01 (Int.)	W4	C2	V2	E1	
7905176	L2B 50	550 150 048	8009601214528	50	480	242x175x175	0/1	B13	W3	C2	V2	E1	
7905177	L2 55	555 112 048	8009601214535	55	480	242x175x190	0/1	B13	W3	C2	V2	E1	
7905178	L2 60	560 102 051	8009601214542	60	510	242x175x190	0/1	B13	W3	C2	V2	E1	
7905179	L2X 60	560 103 051	8009601214559	60	510	242x175x190	1/1	B13	W3	C2	V2	E1	
7905180	D23 60	560 150 054	8009601214566	60	540	230x170x223	0/1	B01 (Int.)	W4	C2	V2	E1	
7905181	D23X 60	560 151 054	8009601214573	60	540	230x170x223	1/1	B01 (Int.)	W4	C2	V2	E1	
7905182	L3B 66	566 150 060	8009601214580	66	600	278x175x175	0/1	B13	W3	C2	V2	E1	
7905183	GR24 70	570 113 054	8009601214597	70	540	270x175x225	0/1	B07/B12	W3	C2	V2	E1	
7905184	GR24X 70	570 114 054	8009601214603	70	540	270x175x225	1/1	B07/B12	W3	C2	V2	E1	
7905185	L3 70	570 109 060	8009601214610	70	600	278x175x190	0/1	B13	W3	C2	V2	E1	
7905186	L3X 70	570 110 060	8009601214627	70	600	278x175x190	1/1	B13	W3	C2	V2	E1	
7905187	L3 74	574 150 064	8009601214634	74	640	278x175x190	0/1	B13	W3	C2	V2	E1	
7905188	D26 75	575 150 064	8009601214641	75	640	259x178x221	0/1	B01 (Int.)	W3	C2	V2	E1	
7905189	D26X 75	575 151 064	8009601214658	75	640	259x178x221	1/1	B01 (Int.)	W3	C2	V2	E1	
7905190	L4 95	595 150 085	8009601214665	95	850	315x175x190	0/1	B13	W3	C2	V2	E1	
7905191	L4X 95	595 151 085	8009601214672	95	850	315x175x190	1/1	B13	W3	C2	V2	E1	
7905192	L5B 85	585 104 076	8009601214689	85	760	353x175x175	0/1	B13	W3	C2	V2	E1	
7905193	L5 88	588 150 076	8009601214696	88	760	353x175x190	0/1	B13	W3	C2	V2	E1	
7905194	D31 95	595 150 076	8009601214702	95	760	302x172x220	0/1	B01 (Int.)	W3	C2	V2	E1	
7905195	D31X 95	595 151 076	8009601214719	95	760	305x178x221	1/1	B01 (Int.)	W3	C2	V2	E1	
7905196	L6 110	610 150 095	8009601214726	110	950	394x175x190	0/1	B13	W3	C2	V2	E1	





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