

# Every battery claims to be the best on the market.

## Our Endurance+ PRO GEL range proves it when it matters.

The **Tudor Endurance+PRO GEL battery** is state of the art, developed in collaboration with major truck and bus manufacturers. This makes it the ultimate choice for all commercial and urban vehicles.



- Supports hotel function



- **2x** lifetime compared to equivalent AGM and **10x** lifetime compared to equivalent standard flooded batteries



- High vibration resistant and valve-regulated technology for maximum safety



- **90%** safe depth of discharge: perfect choice for all commercial vehicles



- Safe and reliable engine start at any time



- Reduces operating costs



Creating the future - the Tudor way:



Innovation



Reliability



Sustainability



High Performance

# Are you looking for the right battery for particularly critical applications?

## Our gel batteries call it everyday life.

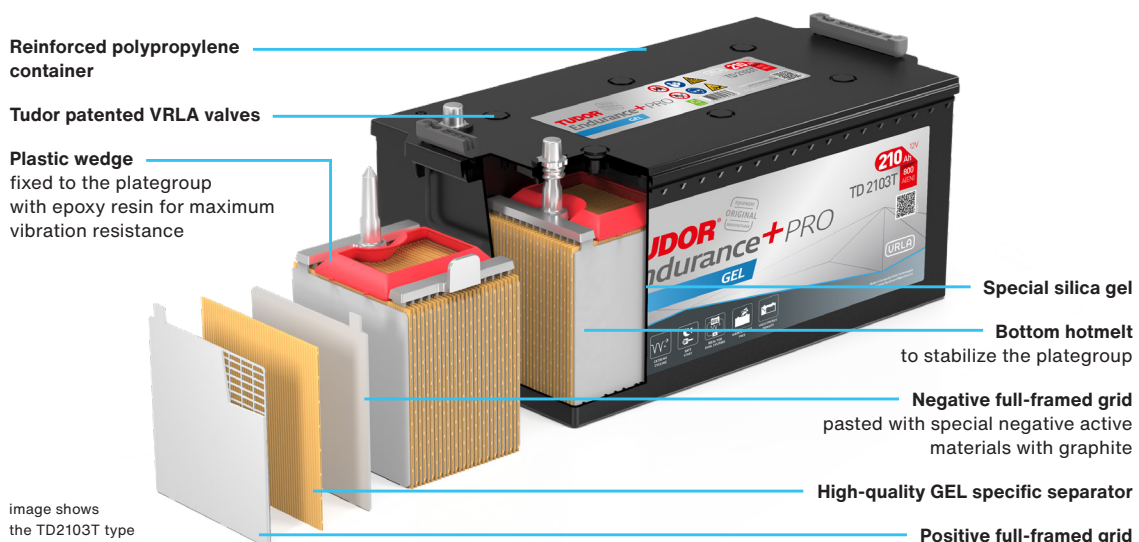


As a continuous driver of innovation, Exide works day after day on solutions that simplify the work and life of users. Among our latest developments are the Endurance+PRO GEL batteries, built specifically for commercial vehicles with power-hungry equipment applications. They are more effective, efficient, and robust than comparable VRLA batteries. In addition, this new battery technology has best-in-class deep cycling characteristics and ensures reliable and safe engine starting.

All this makes the Endurance+PRO Gel range unique in the market: It has been developed in collaboration with major truck and bus manufacturers to meet the demanding requirements of a wide range of bus applications, tractor units, and municipal vehicles with power-intensive equipment. Convince yourself of the unbeatable advantages.

### The technology update is a reliability upgrade.

Unlike usual, the electrolyte is not liquid but is fixed in a gel. This increases the service life above average and ensures that your vehicles stay on the road longer. Gel batteries can safely stand depths of discharge up to 90% – allowing higher energy throughput and avoiding vehicle breakdowns due to premature battery failure.

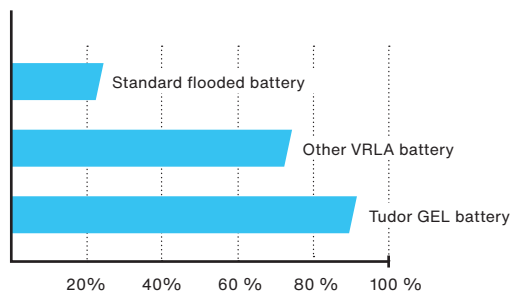


The Endurance+PRO GEL's outstanding durability makes it particularly suitable for use in vehicles with high energy throughput. This makes it the ideal choice for city buses: Their doors, monitors, boarding aids with level control and ramps, and other electrically operated functions are very energy-intensive due to their frequent use.



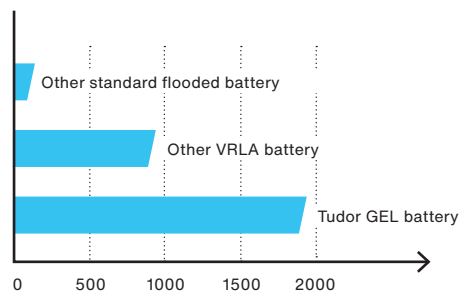
# Everywhere, the aim is to minimize costs. That's why our gel batteries don't skimp on deep-cycle properties.

## Safe depth of discharge



Proven to achieve **90% safe DoD** (compared to 75% for other VRLA batteries). This means more energy available over a longer period of time. Reduced vehicle breakdowns leading to minimized TCO.

## Cycling capacity



In addition, the Tudor GEL range has extremely high parc coverage, more than **2 times** the cycle capacity of the best AGM battery, and even **10 times** more cycles than a comparable standard flood battery.

## Endurance+PRO GEL Type List

Tudor Code	Performance		Dimensions				Technical characteristics	
	Capacity Ah	CCA A (EN)	Container	L (mm)	W (mm)	H (mm)	Hold down	Polarity
TD851T	85	350	D02	349	175	235	B0	ETN1
TD2103	210	1030	D06	518	279	240	B0	ETN3
TD2103T	210	800	D06	518	279	240	B0	ETN3

# Each application has its own challenges. The solution is the same for all of them.

Perfectly suited for the following and similar powerful vehicles:

Brand	Model	Examples of types	Date from	Date to	Part no.
BOVA	Futura	FHD 104, FHD 120, FHD 127, FLD 104, FLD 120, FLD 127	2006/10	2008/09	TD2103
BOVA	Lexio	LD 123, LD 130, LLD 123-310, LLD 130-310	2005/09		TD2103
BOVA	Magiq	HD 120, HD 122, HD 131 Magnum, HD 139 Magnum	1999/10		TD2103
BOVA	Synergy	DD 130, DD 138, SDD 130, SDD 141	2004/09		TD2103
BredaMenarinibus	M-Serie	M230, M321	1994/01	2002/12	TD2103
BredaMenarinibus	VIVACITY	VIVACITY 8, VIVACITY+ C	2012/10		TD2103
BredaMenarinibus	ZEUS	M200E, M340	2008/03		TD2103
Irisbus	CROSSWAY	10.6m, 12m, 12.8m	2006/06		TD2103
Irisbus	CITELIS	10.5, 12, Line	2005/09		TD2103
MAN	Lion's Coach	400	2015/10		TD2103
MAN	Lion's City	A 35, A 22	2009/10		TD2103
Mercedes-Benz	Citaro (O 530)	Citaro Ü, Citaro N, Citaro MUE	2012/05		TD2103
Mercedes-Benz	Tourismo(O 350)	Tourismo RHD, SHD	2003/09		TD2103
Mercedes-Benz	Tourino (O 510)	TOURINO	2003/10		TD2103
Mercedes-Benz	Touro (O 500)	O 500 R, M	2001/01		TD2103
Mercedes-Benz	Citaro (O 530)	Citaro, Citaro MUE	1998/01		TD2103
NEOPLAN	Tourliner	N 2216 SHD, SHDL	2006/06		TD2103
NEOPLAN	Skyliner	N 1122/3 C, N 122/3 L	2004/05		TD2103
NEOPLAN	Trendliner	N 3516 Ü	2004/09		TD2103
Renault Trucks	AGORA	Agora	1996/01		TD2103
Scania	4 - series	143 M/420, 124 C/360, 124 C/400, 124 C/420, 124 C/440, 124 C/470, 124 G/440, 124 G/470, 164 C/580, 164 G/480, 164 G/580, 94 CL	1999/01	2004/09	TD2103
Scania	K - series	K 230 C, K 230 IB, K 230 UB, K 250 IB, K 250 UB, K 270 C, K 270 IB	2006/03		TD2103
Scania	L, P,G,R,T,S - series	G 410, G 450, P 410, P 450, G490, G500, G520, R280, R320, R360, R370, R410, R 450, R 490, R500, G490	2013/09		TD851T
Setra	Series 400	MultiClass S 415 NF, MultiClass S 416 NF, TopClass S 415 HD, ComfortClass S 415 GT	2005/01		TD2103
Solaris	URBINO	Urbino 12	2006/10		TD2103
Solaris	VACANZA	Vacanza 12, 13	2002/06		TD2103
Van Hool	T-Serie	T 915, T 916	2005/10		TD2103
Van Hool	A-Serie	A, 300, A 330	2006/10		TD2103
Volvo	FM12	FM 12/460	1998/08	2008/11	TD2103
Volvo	8700, 9700, 9900	8700, 9700, 9900	1999/01		TD2103
Volvo	B11	B11R	2011/09		TD2103
Volvo	8900	8900, 8900 LOW ENTRY	2016/08		TD2103
Volvo	FE II	FE 320-26	2013/05		TD2103
Volvo	FH	460, 480, 420, 500, 540, 440, 400, 520	2005/01		TD2103T
Volvo	FH II	420, 500, 540, 460, 380	2012/05		TD2103T
Volvo	FH16	FH 16/540, FH 16/550, FH 16/610, FH 16/580, FH 16/660, FH 16/600, FH 16/700	2003/01		TD2103T
Volvo	FH16 II	FH 16/540, FH 16/550, FH 16/650, FH 16/750, FH 16/600, FH 16/700	2012/05		TD2103T
Volvo	FM	FM 420, 460, 500, 380, 360, 330, 370, 410, 450, 400, 440, 480, 330, 340, 390, 430	2005/01		TD2103T
Volvo	FM II	FM 420	2015/10		TD2103T
Volvo	FMX	460, 500, 420, 540, 380, 330, 370, 410, 450, 400, 430, 440, 480	2010/04		TD2103T
Volvo	FMX II	420, 460, 500, 540, 450, 330, 370, 410, 380	2013/09		TD2103T

Subject to alteration

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