

VARTA PROFESSIONAL
BATTERIES FOR
MARINE
APPLICATIONS
VARTA
Profes

The perfect batteries for marine applications







## VARTA PROFESSI

### FULLY CHARGED PROFESSIONAL POWER!

Our satisfied customers have long been putting their trust in the VARTA Blue Dynamic, the world's leading starter battery. This strong performer is characterised by its high capacity, exceptional cold start performance, outstanding safety and unbeatable reliability. With its VARTA Professional Deep Cycle and VARTA Professional Deep Cycle AGM batteries, VARTA is now applying its renowned expertise specifically to supplying marine craft with energy.

Who wouldn't want to be perfectly prepared for their valuable leisure time? So, put your trust in our technical expertise and our proven record of developing pioneering solutions. Our new VARTA Professional batteries are also ideal for intensive seasonal use.

Boating enthusiasts know that one thing matters above all else once you've left the coastline far behind: reliability. You can rely on the new high-tech VARTA Professional product range not to let you down, wherever your adventures take you.

## VARTA Professional Deep Cycle

This battery is based on our tried-andtested flooded technology, the product of years of continuous improvements in cyclic durability. Its sealed construction prevents any liquid from leaking out and, thanks to its minimal self-discharge, it's ideal for seasonal use.

#### VARTA Professional Deep Cycle AGM

AGM (Absorbent Glass Mat) is currently the best technology around for meeting especially demanding requirements. Key benefits are the high cyclic durability of approximately 600 to 700 cycles, around five to six times that of conventional batteries, and shorter recharge times.

## ONAL BATTERIES







12V • 60 Ah (C20) • 49 Ah (C5) • RC 100 Min CCA 370 A • MCA 450 A / 892 • 830 060 037





### VARTA Blue Dynamic for starter applications

The VARTA Blue Dynamic provides tailor-made power for starter applications. And as it excels in terms of cold start performance, output, capacity and reliability, it's a real all-rounder too. In other words, a battery that you can rely on to always get you going.

For more information, please visit www.varta-automotive.com

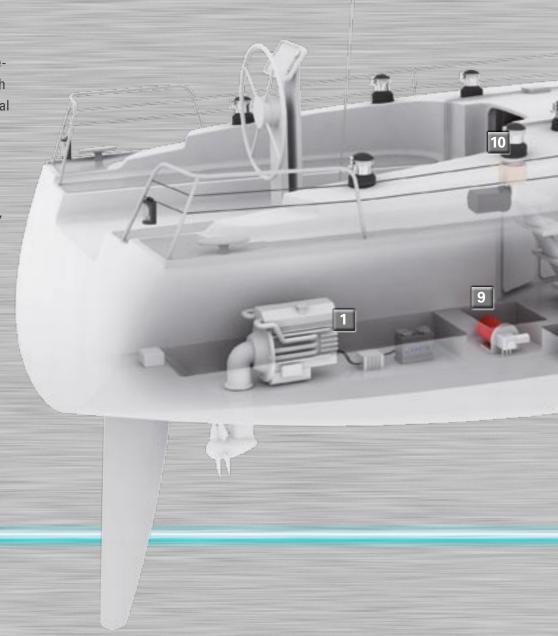
# THE BATTERY — THE HEART OF YOUR BOAT

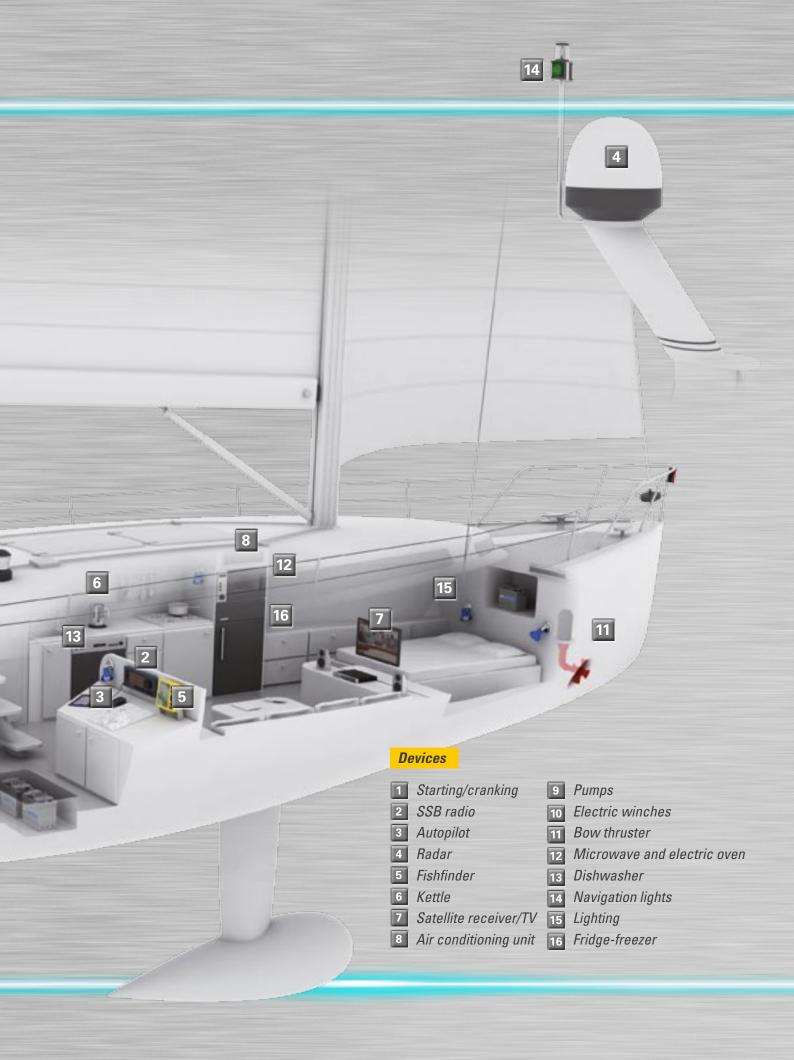
Giving you the peace of mind to enjoy your passion. As smoothly functioning technology is more important than ever once you've left the coastline behind, why not put your trust in the exceptional quality of the new VARTA Professional product range for marine applications?

Rising levels of comfort on board boats and yachts have led to increasing demands being placed on batteries, which now power a host of additional electronic devices such as navigational instruments, lighting, kitchen appliances and winches. And when all these devices are connected, the battery has to deliver exceptional performance.

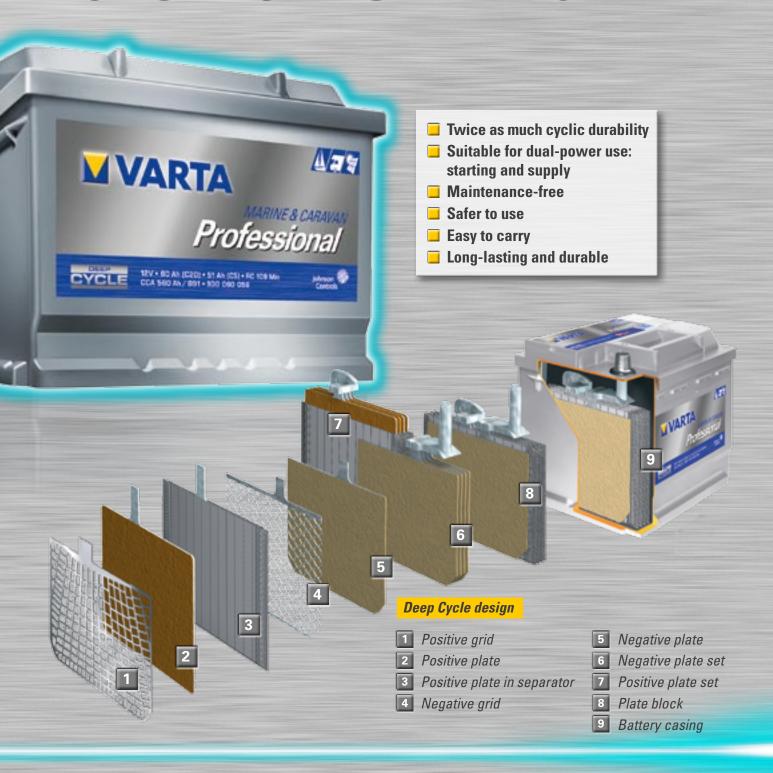
So, it's nice to know that you can rely on VARTA

Professional.





## VARTA PROFESSIONAL DEEP CYCLE – LONG-LASTING AND DURABLE!



No one knows better than you how much power the battery has to supply to on-board electronic devices — which is exactly why high cyclic durability is so important. VARTA Professional batteries ensure that not only navigational systems and electric winches but also your boat's mod cons run like a dream, so all you have to do is relax.

This battery is based on our tried-and-tested flooded technology, a product of years of continuous improvement in cyclic durability. The completely sealed construction prevents any liquid from leaking out

when the battery is tilted up to an angle 90° for short periods (such as during installation and removal). Thanks to its minimal self-discharge, it's ideal for seasonal use.

Characteristic	Benefit
Innovative plate technology	Up to twice the cyclic stability of conventional flooded batteries
Minimal self-discharge	Ideal for seasonal use
Ergonomic handle	Easy to carry
Integral flame arrestors	Increased safety

Characteristic	Benefit							
High energy output	Suitable for dual-power applications (can be used for both starting and supply)							
Labyrinth lid	Maintenance-free							
Sealed construction	Leak-proof (can be tilted up to an angle of 90° for short periods)							



# VARTA PROFESSIONAL DEEP CYCLE AGM – LONG-LASTING AND EXCEPT

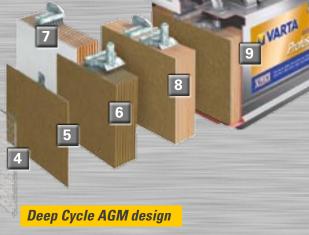
VARTA Professional Deep Cycle AGM batteries represent the very latest in lead-acid battery technology.



Acid held in

the glass mat

- 5 to 6 times more cyclic durability
- Suitable for dual-power use: starting and supply
- Ideal for applications such as an electric outboard motor
- Short recharging times
- Extremely safe to use
- Easy to carry
- Long shelf life
- Long-lasting and durable



- 1 Positive grid
- 2 Positive plate
- 3 Positive plate in separator
- 4 Negative grid
- 5 Negative plate
- 6 Negative plate set
- 7 Positive plate set
- 8 Plate block
- Battery casing

### IONAL!

In AGM (Absorbent Glass Mat) batteries, all of the acid is held in a glass mat, enabling reduced distance between plates and increased pressure. This in turn increases the battery's mechanical stability and lengthens its service life. VARTA has further developed this cutting-edge technology to produce supply batteries that boast exceptional cyclic durability. The VARTA Professional Deep Cycle AGM is a top-class battery whose cyclic durability is five to six times that of

conventional batteries. Its ability to provide the energy you need whenever you need it without any hitches is testament to its versatility and it goes without saying that you can also expect the same smooth, long-lasting performance under standard conditions — with an even longer service life. Even vibrations aren't enough to put this completely maintenance-free and leak-proof battery off its stride.

Characteristic	Benefit
State-of-the-art technology	Suitable for demanding applications
Thick plates for in- creased cyclic stability	5 to 6 times the cyclic stability of conventional flooded batteries
High energy output	Suitable for dual-power applications (can be used for both starting and supply)

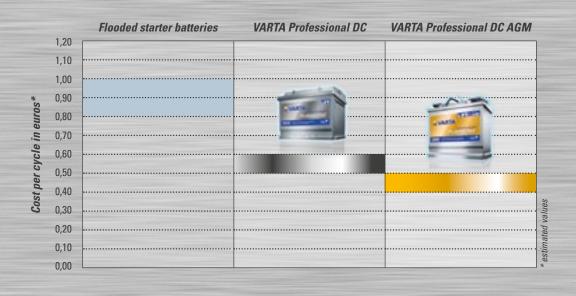
Characteristic	Benefit
Minimal self-discharge	Perfect for seasonal use
Sealed construction	Fully leak-proof (even at angles of up to 90°)
Completely maintenance-free	Install and forget
Safety valves	Maximum safety



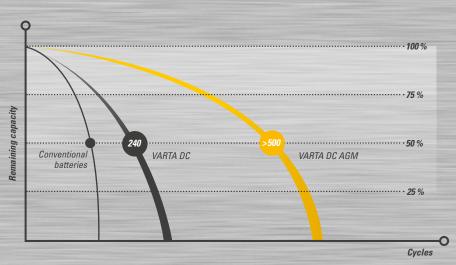
## GREAT VALUE FOR MONEY HIGH CYCLIC DURABILITY FOR A LONG SERVICE LIFE!

Whilst genuine supply batteries represent a more expensive initial purchase due to the thickness of the plates and increased amount of lead, they offer a far higher number of cycles than a starter battery.

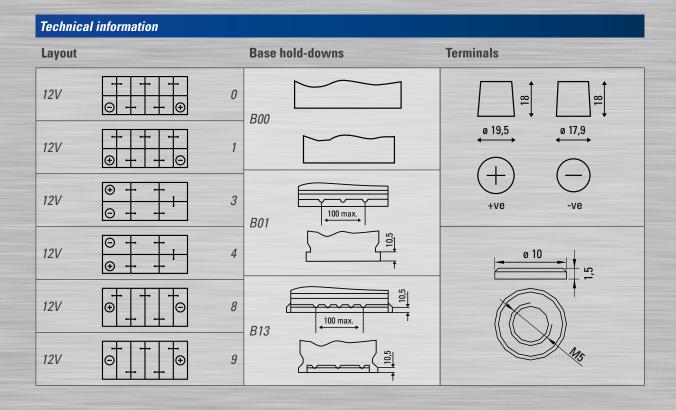
This means that a supply battery is significantly better value in terms of cost per cycle. So, with VARTA Professional batteries you really do get more for your money.



It pays to choose a battery with higher cyclic durability, a key factor in determining the battery's service life.



	Short	Size	ETN	Voltage	CZ0	010	CS	Remaining capacity at 25 A	CCA (EN)	MCA	Length	Width	Height	Weight (kg)	Terminal	Layout	Base hold- downs	
VARTA Professional Starter	LFS75	EG4	812071000	12 V	75 Ah	67 Ah	60 Ah	124 Min.	420 A	-	260	175	225	18,5	1	1	B01	1
	LFS105	Grp31	811053057	12 V	105 Ah	94 Ah	85 Ah	190 Min.	570 A	-	330	175	240	26,9	1	9	B00	1
VARTA Professional DC	LFD60	H5	930060056	12 V	60 Ah	55 Ah	51 Ah	109 Min.	560 A	-	242	175	190	16,5	1	0	B13	1
	LFD75	Н6	930075065	12 V	75 Ah	69 Ah	64 Ah	141 Min.	650 A	-	278	175	190	18,9	1	0	B13	
	LFD90	H8	930090080	12 V	90 Ah	83 Ah	77 Ah	174 Min.	800 A	_	353	175	190	23,73	1	0	B13	
	LFD140	А	930140080	12 V	140 Ah	129 Ah	119 Ah	284 Min.	800 A	-	513	189	223	36,62	1	3	B00	1
	LFD180	В	930180100	12 V	180 Ah	166 Ah	153 Ah	377 Min.	1000 A	_	513	223	223	45,1	1	3	B00	
	LFD230	С	930230115	12 V	230 Ah	212 Ah	196 Ah	499 Min.	1150 A	-	518	276	242	56,75	1	3	B00	1
	LAD24	-	830024016	12 V	24 Ah	22 Ah	20 Ah	27 Min.	160 A*	195 A	165	176	125	8,9	M5	0	B00	1
-	LAD60	-	830060037	12 V	60 Ah	54 Ah	49 Ah	100 Min.	370 A*	450 A	265	166	188	20,7	1	0	B00	1
VARTA Professional DC AGM	LAD70	-	830070045	12 V	70 Ah	63 Ah	58 Ah	115 Min.	450 A*	540 A	260	169	230,5	23,8	1	0	B00	
	LAD85	-	830085051	12 V	85 Ah	77 Ah	70 Ah	145 Min.	510 A*	600 A	260	169	230,5	25,1	1	0	B00	
	LAD115	_	830115060	12 V	115 Ah	104 Ah	91 Ah	200 Min.	600 A*	710 A	328	172	233,5	32,8	1	0	B00	
	LAD150	-	830150090	12 V	150 Ah	135 Ah	123 Ah	285 Min.	900 A*	1070 A	484	171	241	45,5	1	0	B00	
	LAD260	_	830260152	12 V	260 Ah	234 Ah	214 Ah	578 Min.	1525 A*	1830 A	521	269	239,5	78,2	1	4	B00	



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