

NEW

Professional Deep Cycle and
Professional Deep Cycle AGM batteries



VARTA PROFESSIONAL BATTERIES FOR CARAVANS

*The perfect batteries for
motorhomes and caravans*



VARTA

BY JOHNSON CONTROLS

NEW

VARTA PROFESSIONAL

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 motorhomes and caravans 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.

People who spend their time travelling in remote places know that one thing matters above all else: 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-and-tested 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



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 MOTO

Make the most of your free time! You can now stay independent from campsites without sacrificing your creature comforts – all thanks to our new VARTA Professional batteries.

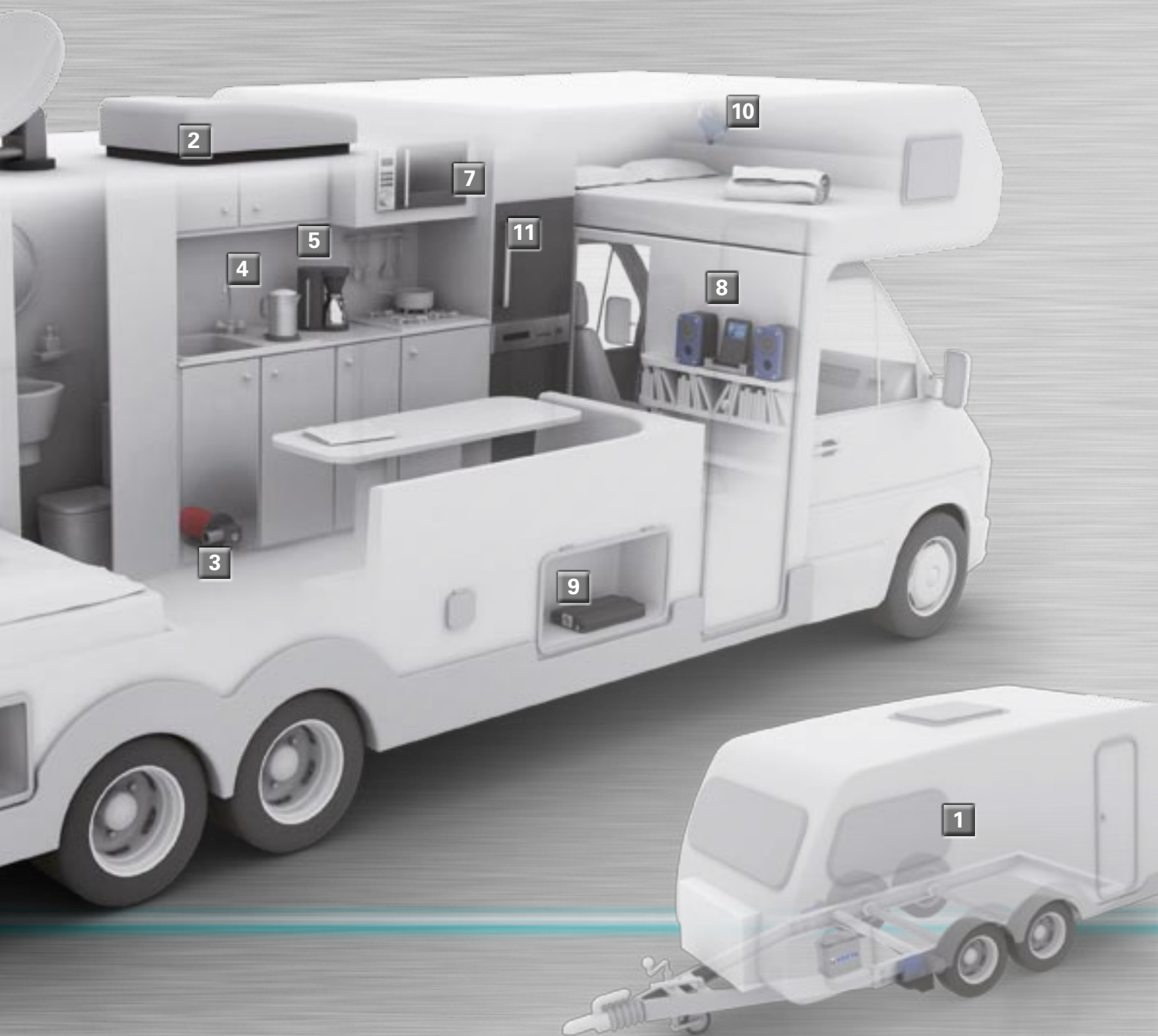
Motorhomes and caravans have now become fascinating high-tech vehicles, inevitably resulting in higher demands being placed on the battery. This creates a need for maximum performance and the new VARTA Professional product range for motorhomes and caravans represents an exceptionally intelligent solution. It's nice to know that you can rely on VARTA Professional.

Devices

- | | |
|-------------------------|-------------------------------|
| 1 Mover | 7 Microwave and electric oven |
| 2 Air conditioning unit | 8 Hi-fi |
| 3 Pumps | 9 Power inverter |
| 4 Kettle | 10 Lighting |
| 5 Coffee machine | 11 Fridge-freezer |
| 6 Satellite receiver/TV | 12 Satellite dish |



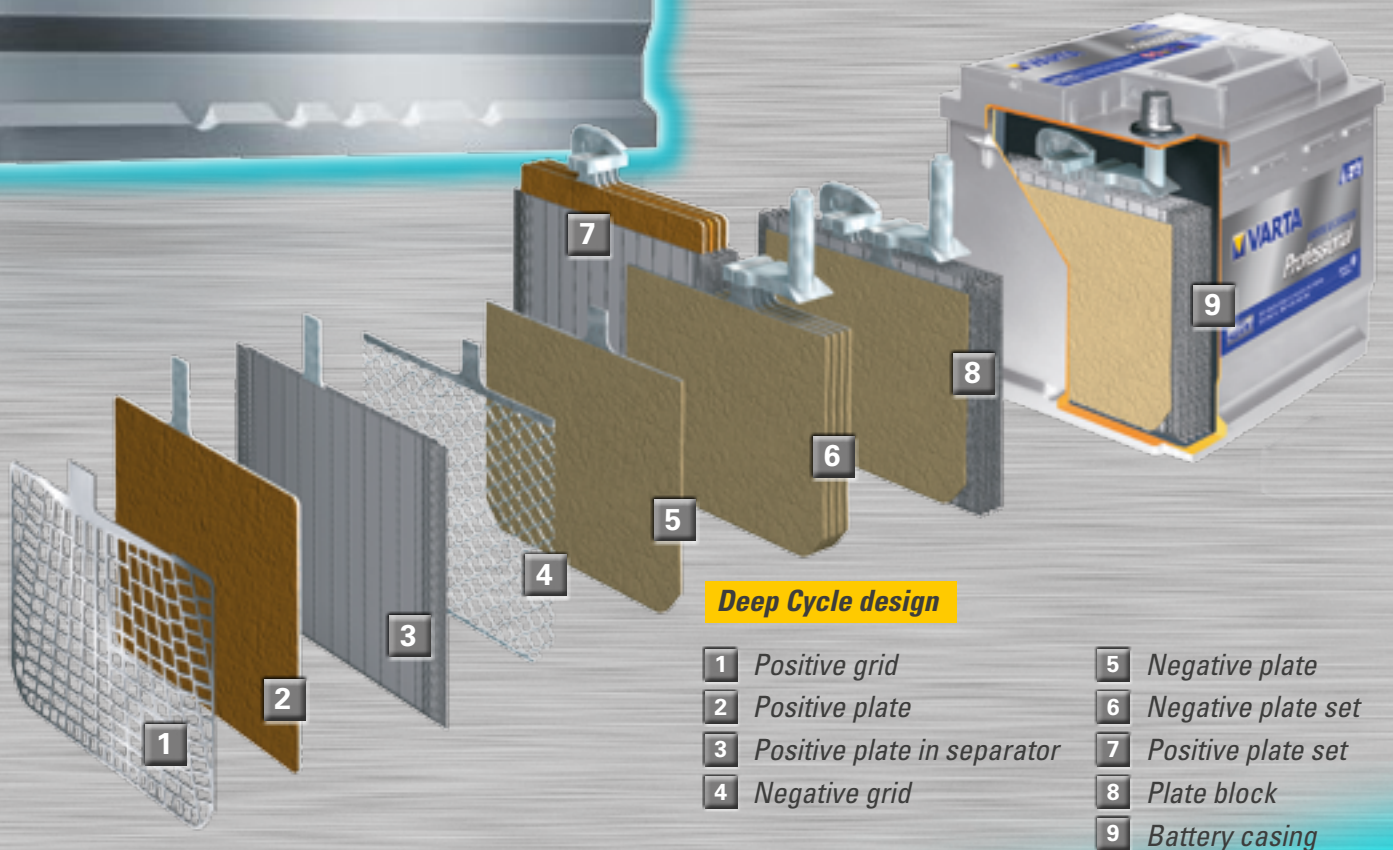
RHOME OR CARAVAN



VARTA PROFESSIONAL DEEP CYCLE – LONG-LASTING AND DURABLE!



- Twice as much cyclic durability
- Suitable for dual-power use: starting and supply
- Maintenance-free
- Safer to use
- Easy to carry
- Long-lasting and durable



Our new VARTA Professional product range is sure to make your trip an all-round relaxing experience. Alongside basic amenities like interior lighting and hot water, you'll also be able to enjoy mod cons such as TVs, satellite receivers, coffee machines, microwaves and fridges without worrying about the power cutting out.

This battery is based on our tried-and-tested flooded technology, the 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 of 90° for short periods (such as during installation and removal). Thanks to its minimal self-discharge, it is ideal for seasonal use.

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

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

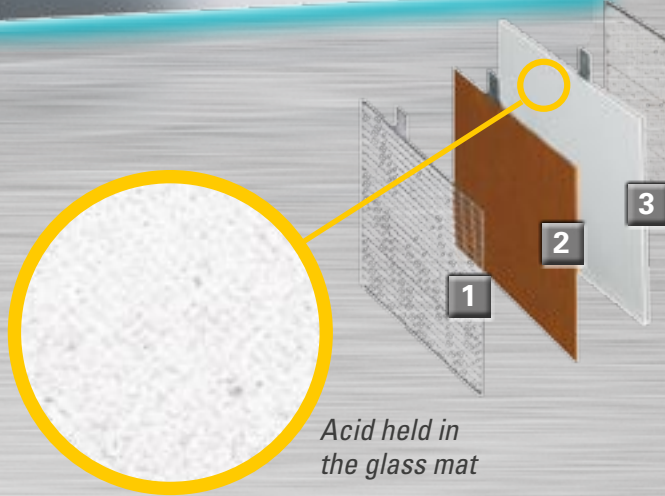


VARTA PROFESSIONAL DEEP CYCLE AGM – LONG-LASTING AND EXCEPT

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



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



Deep Cycle AGM design

- | | |
|-------------------------------|----------------------|
| 1 Positive grid | 5 Negative plate |
| 2 Positive plate | 6 Negative plate set |
| 3 Positive plate in separator | 7 Positive plate set |
| 4 Negative grid | 8 Plate block |
| | 9 Battery casing |

TIONAL!

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.

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

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

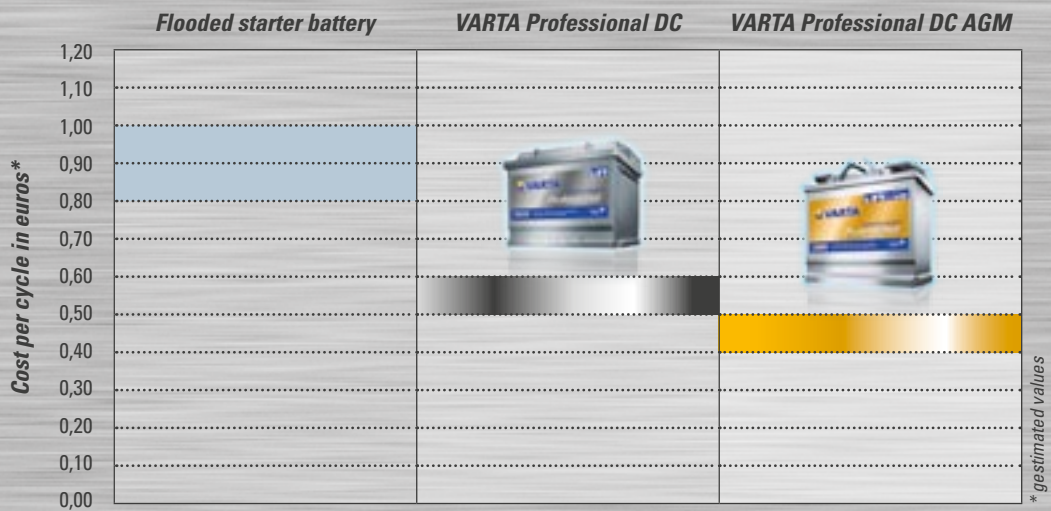


VALUE FOR MONEY

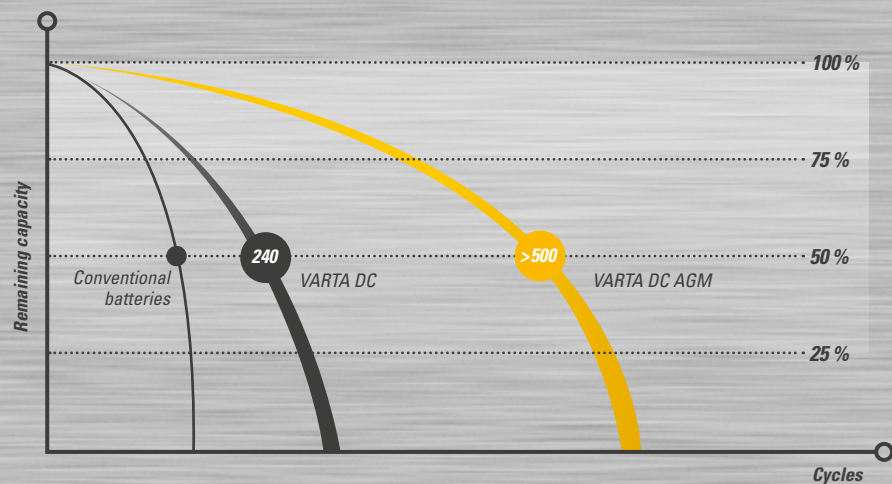
HIGH CYCLIC DURABILITY FOR A LONG SERVICE LIFE!



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 code	Size	ETN	Voltage	C20	C10	C5	Remaining capacity at 25 A	CCA (EN)	MCA	Length	Width	Height	Weight (kg)	Terminal	Layout	Base hold-downs
VARTA Professional Starter	LFS75	EG4	812071000	12V	75 Ah	67 Ah	60 Ah	124 Min.	420 A	–	260	175	225	18,5	1	1	B01
	LFS105	Grp31	811053057	12V	105 Ah	94 Ah	85 Ah	190 Min.	570 A	–	330	175	240	26,9	1	9	B00
 VARTA Professional DC	LFD60	H5	930060056	12V	60 Ah	55 Ah	51 Ah	109 Min.	560 A	–	242	175	190	16,5	1	0	B13
	LFD75	H6	930075065	12V	75 Ah	69 Ah	64 Ah	141 Min.	650 A	–	278	175	190	18,9	1	0	B13
	LFD90	H8	930090080	12V	90 Ah	83 Ah	77 Ah	174 Min.	800 A	–	353	175	190	23,73	1	0	B13
	LFD140	A	930140080	12V	140 Ah	129 Ah	119 Ah	284 Min.	800 A	–	513	189	223	36,62	1	3	B00
	LFD180	B	930180100	12V	180 Ah	166 Ah	153 Ah	377 Min.	1000 A	–	513	223	223	45,1	1	3	B00
	LFD230	C	930230115	12V	230 Ah	212 Ah	196 Ah	499 Min.	1150 A	–	518	276	242	56,75	1	3	B00
 VARTA Professional DC AGM	LAD24	–	830024016	12V	24 Ah	22 Ah	20 Ah	27 Min.	160 A*	195 A	165	176	125	8,9	M5	0	B00
	LAD60	–	830060037	12V	60 Ah	54 Ah	49 Ah	100 Min.	370 A*	450 A	265	166	188	20,7	1	0	B00
	LAD70	–	830070045	12V	70 Ah	63 Ah	58 Ah	115 Min.	450 A*	540 A	260	169	230,5	23,8	1	0	B00
	LAD85	–	830085051	12V	85 Ah	77 Ah	70 Ah	145 Min.	510 A*	600 A	260	169	230,5	25,1	1	0	B00
	LAD115	–	830115060	12V	115 Ah	104 Ah	91 Ah	200 Min.	600 A*	710 A	328	172	233,5	32,8	1	0	B00
	LAD150	–	830150090	12V	150 Ah	135 Ah	123 Ah	285 Min.	900 A*	1070 A	484	171	241	45,5	1	0	B00
	LAD260	–	830260152	12V	260 Ah	234 Ah	214 Ah	578 Min.	1525 A*	1830 A	521	269	239,5	78,2	1	4	B00

* CCA (SAE)

Technical information

Layout

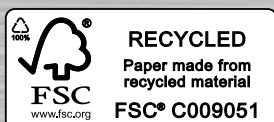
Base hold-downs

Terminals

12V		0	B00		 +ve -ve
12V		1			
12V		3	B01	 	
12V		4			
12V		8	 		
12V		9			

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