



Leisure

Platinum Product Guide



PLATINUM



EXPLORE THE GREAT OUTDOORS

As a leisure enthusiast you will want to enjoy every minute you spend in the great outdoors. Whether you are on the trail of historic sites, touring National Parks, enjoying a festival or exploring the countries of Europe, you need to ensure you have a reliable portable power solution best suited to your type of leisure break. Choosing the right leisure battery is about understanding your portable power usage, which is influenced by:

- ▶ Size of Caravan or Motorhome berth and standard electrical equipment
- ▶ Use of Motor Movers
- ▶ Electrical usage for standard equipment and/or additional electrical items
- ▶ Length of time the battery is used as the primary power source, without being recharged/hooked up to the main power supply
- ▶ Frequency and duration of leisure breaks

MOTOR MOVER

Our Platinum AGM Motor Mover battery has been specifically designed to cope with the arduous demands placed on the battery by the Motor Mover. Continuous cycling from the Motor Mover over rough terrain causes a normal leisure battery to fail prematurely, which is why we have come up with this unique solution.



NATIONAL CARAVAN COUNCIL VERIFIED BATTERY SCHEME

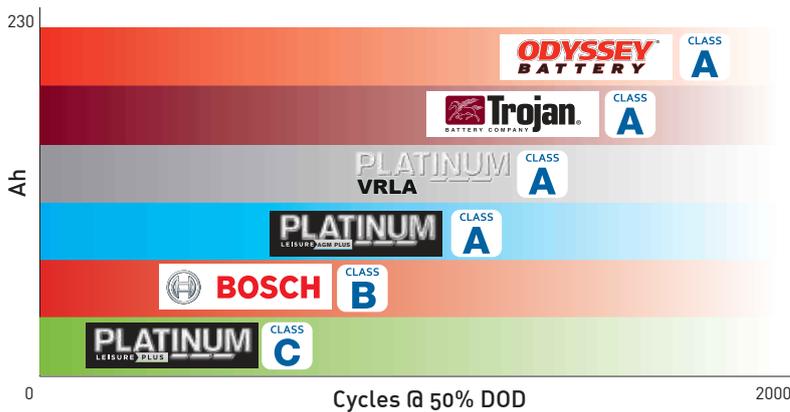
The National Caravan Council (NCC) was setup over 70 years ago as the UK trade body representing the collective interests of the touring, Motorhome, holiday home and park home sectors.

The scheme provides product verification for batteries used in leisure vehicles. With modern leisure vehicles featuring more technology and electrical appliances than ever before, buying an NCC verified leisure battery will give you confidence that the battery purchased is fit for purpose and will perform as advertised. The batteries will be verified and labelled accordingly into three categories, A, B and C, depending on their category and purpose. The NCC don't verify or test batteries designed for RVs.

Used in conjunction with the NCC Scheme supports the style of selecting the battery based on the users usage requirements below:

- **Class A** is for batteries with a higher storage capacity, for people who frequently use their caravans or motorhomes away from electrical hook-ups and require high power to operate devices such as microwaves and motor movers. Class A verified batteries typically have 10x more cycles than a Class C Battery.
- **Class B** batteries are aimed at those who frequently use sites with hook-up facilities, but require a greater battery capacity to operate TVs and other devices. Class B verified batteries typically have 3x more cycles than a Class C Battery.
- **Class C** is for users that require a lower capacity battery to cover basic operation of their habitation equipment for short periods away from a hook-up.

NATIONAL CARAVAN COUNCIL FULLY VERIFIED RANGE



The graph beside shows a relation between Ah and life cycles. As you progress through the NCC classifications the life cycles of your battery increases along with the Ah.

Product registered and VERIFIED www.thncc.org.uk	Intended Purpose: Frequently used without electrical hook-up	LEISURE BATTERY CLASS A	Minimum Capacity (Ah) 90	Minimum Cycles at 50% D.O.D 350
Product registered and VERIFIED www.thncc.org.uk	Intended Purpose: For use with electrical hook-up with minimal off-grid isolation usage e.g. Lights, TV plus motor mover	LEISURE BATTERY CLASS B	Minimum Capacity (Ah) 90	Minimum Cycles at 50% D.O.D 200
Product registered and VERIFIED www.thncc.org.uk	Intended Purpose: For use with electrical hook-up with minimal off-grid usage e.g. Lights	LEISURE BATTERY CLASS C	Minimum Capacity (Ah) 60	Minimum Cycles at 50% D.O.D 70

BATTERY CARE & MAINTENANCE



WHAT IS A BATTERY?

A battery is a storage device; it holds energy which it supplies on demand. However, this process can only work if the battery is given the correct care and maintenance



STORAGE

Batteries are heavy; use great caution when lifting. Batteries should be fully charged before placing in storage. Store in a cool, dry location, in an upright position



CHARGING

Always wear protective clothing when working with batteries: Eye protection, Gloves and Apron. Only use a Lead Acid Battery Charger, do not use any other technology; Lithium-Ion, Nickel Cadmium, Alkaline etc

DEPTH OF DISCHARGE (DOD)

A Lead Acid Battery has the ability to be repeatedly discharged and recharged and this process is called a 'cycle'. Car batteries have very minor cycles (e.g. the turn of

the ignition key for a second or two to start the vehicle), whereas within a leisure application the amount of energy taken out is to a much greater level or Depth of Discharge.



PLATINUM LEISURE AGM PLUS

360 CYCLES

 Product registered and VERIFIED www.thencc.org.uk		
Intended Purpose: Frequently used without electrical hook-up		LEISURE BATTERY CLASS A



FEATURES & BENEFITS

- ▶ **Designed For Motor Movers** - Designed to cope with the arduous demands placed on the battery by the Motor Mover
- ▶ **Advanced Plate Design** - High pure lead oxide gives high resistance to corrosion and reduces self-discharge. So offers greater storage time
- ▶ **Absorbed Glass Mat Separators** - Increases cyclic capability allowing the battery to be discharged and recharged over 360 times, resulting in longer service life

- ▶ **Sealed Construction** - Unique construction ensures no electrolyte leakage from terminals or case. This allows fitments in any orientation
- ▶ **Gas Recombination** - Recombines any gasses created during normal usage, totally maintenance free
- ▶ **Sealed Low-Box** - Ideal where the fitment location of the battery is restricted

PLATINUM LEISURE

70 CYCLES

 Product registered and VERIFIED www.thencc.org.uk		
Intended Purpose: For use with electrical hook-up with minimal off-grid usage e.g. Lights		LEISURE BATTERY CLASS C



FEATURES & BENEFITS

- ▶ **PLATINUM Brand Name** - is synonymous with premium quality and the very best performance, giving the consumer complete confidence in the product
- ▶ **Labyrinth Lid Technology And Spark Arrestor** - Allows emissions to be safely exhausted externally from the caravan or motorhome with added protection against gas combustion within the battery
- ▶ **State Of Charge Indicator** - Easy to use visual indicator to check the batteries charge and acid levels

- ▶ **Engineered For Durability, Cycling And Extended Life**
- ▶ **Sealed Low-Box & Dual Post Batteries Available** - Ideal where the fitment location of the battery is restricted or where multiple battery connections are required.
- ▶ **Maintenance Free** - Fit & forget for flooded range
- ▶ **Absolutely Maintenance Free** - Fit & forget for sealed / dual post range

IT'S WHAT'S INSIDE THAT COUNTS

BOSCH LEISURE

200 CYCLES

Product registered and **VERIFIED** ✓
www.thencc.org.uk

Intended Purpose:
For use with electrical hook-up with minimal off-grid habitation usage e.g. Lights, TV plus motor mover

LEISURE BATTERY CLASS B



FEATURES & BENEFITS

- ▶ **Ion-Permeable Pocket Separator** - Prevents contact between positive and negative plate – for longer service life
- ▶ **Patented PowerFrame® (Grid) For Optimum Current Flow And Reduced Corrosion** - The flow-optimized grid design of the Powerframe guarantees a long service life. In addition, a special alloy ensures high corrosion resistance and a significantly lower self-discharge
- ▶ **Leak-Proof And Tilt-Proof Up To 45°**

- ▶ **Backfire Protection** - High safety thanks to its backfire protection and the labyrinth lid returning condensed water to the battery
- ▶ **Absolutely Maintenance-Free** - Fit & Forget
- ▶ **Set Of Plates With Particularly Robust Connection** - The central arrangement of the connectors between positive and negative plates ensures additional stability

PowerFrame® technology

Set of plates with particularly robust connection

The central arrangement of the connectors between positive and negative plates ensures additional stability.



Typical consumers in mobile homes:

- 1 Air conditioner
- 2 Pumps
- 3 Water boiler
- 4 Coffee machine
- 5 Sat/TV systems
- 6 Microwave / electric oven
- 7 Hi-fi equipment
- 8 Converters
- 9 Lighting
- 10 Refrigerator / freezer
- 11 Satellite dish



ODYSSEY EXTREME

**650 - 1850
CYCLES**



Intended Purpose:
Frequently used without electrical hook-up

LEISURE BATTERY CLASS A



FEATURES & BENEFITS

- ▶ **Tin Alloy Coated Brass Terminals** - To ensure secure, corrosion-free cable connections, our brass terminals are coated with a high-quality tin alloy
- ▶ **Robust Intercell Connections** - To resist vibration and eliminate internal sparking, cell connectors are casted to the plates and bonded
- ▶ **Compressed AGM Plate Separators** - For extreme vibration resistance, the AGM plate separators are compressed before being inserted into the case

- ▶ **Packed with More Power** - Increased cyclic capabilities from a low box size battery. Perfect for Motor Movers!
- ▶ **Pure Lead Plates** - To provide more power, the plates are constructed from 99.99% pure lead. The plates are extremely thin, so more of them can fit into the battery. More lead plates means more power

TROJAN DEEP CYCLE

**600 - 1000
CYCLES**



Intended Purpose:
Frequently used without electrical hook-up

LEISURE BATTERY CLASS A



FEATURES & BENEFITS

- ▶ **Trojan Grid Technology** - Trojan's grid technology is a lead antimony alloy grid mixture which provides enhanced power
- ▶ **Maxguard T2 Separator** - Provides greater strength resulting in a longer battery life
- ▶ **Alpha Plus Paste™ With T2 Technology™** - Maximum Operating Performance
- ▶ **Robust Plates** - Extends the service life
- ▶ **Faster Recharging** - Capabilities from the AGM & Gel range

- ▶ **Specialist Fitment** - Suitable for large Motorhomes and RVs
- ▶ **Comprehensive Range** - Available from 76 – 230 amps, with multiple terminal options
- ▶ **Up To 10 Times Longer Life** - Than a standard Leisure battery
- ▶ **Up To 5 Times More Cycles** - Than Platinum Leisure and Leisure Plus range
- ▶ **Gel Batteries** - Designed to cope with a Deeper Depth of Discharge where charging is infrequent
- ▶ **AGM Batteries** - Completely sealed, faster recharge than lead acid

MORE POWER MORE FREEDOM MORE FUN

BATTERY SELECTOR - BY BOX SIZE

PRODUCT RANGE	PRODUCT REFERENCE	LIFE CYCLES @50% DOD	L (MM)	W (MM)	H (MM)	Ah (C20)	V	LAYOUT	TERMINAL	HOLD DOWN	NCC CLASS
Platinum Vented	685L	70	267	172	222	75	12	1	AP	B05	C
Platinum Sealed	S685L	70	258	172	222	75	12	1	AP	B07	C
Platinum Sealed	SD685L	70	258	172	222	75	12	1	AP & TS	B07	C
Bosch L5 Deep Cycle	L5008	200	278	175	190	75	12	0	AP	B13	C
Platinum AGM	PAGM75-12	500	260	169	215	75	12	1	FT	N	C
Platinum Sealed	SD690L	70	302	170	222	90	12	1	AP & TS	N	C
Platinum Vented	6110L	70	350	175	225	110	12	1	AP	N	C
Platinum Sealed	S6110L	70	328	171	237	110	12	1	AP	N	C
Platinum Sealed	SD6110L	70	328	171	237	110	12	1	AP & TS	N	C
Platinum AGM	PAGM100-12	500	328	172	222	100	12	1	FT	N	A
Odyssey	PC2150S	650	332	175	244	100	12	9	AP	N	A
Platinum Sealed	LB6110L	70	351	174	188	100	12	0	AP	B13	C
Bosch L5 Deep Cycle	L5013	200	353	175	190	90	12	0	AP	B13	B
Platinum AGM	AGMLB6110L	360	354	175	190	100	12	0	AP	B13	A
Odyssey	PC1350	650	353	175	190	95	12	0	AP	N	A
Platinum	PAGM145-12	500	340	173	285	145	12	1	FT	N	A
Odyssey	PC1800FT	1850	581	135	315	214	12	4	TS	N	A

SPECIALIST FITMENT

Trojan AGM	24AGM-APW	1000	274	173	220	76	12	1	AP & TS	N	N/A
Trojan Gel	24GEL-DT	1000	276	171	236	77	12	1	AP & TS	N	N/A
Trojan Vented	SCS150-DWNT	600	286	171	248	100	12	1	AP & TS	B07	N/A
Trojan AGM	27AGM-APW	1000	319	173	221	89	12	1	AP & TS	N	C
Trojan Vented	SCS200-DWNT	600	324	171	248	115	12	1	AP & TS	B07	N/A
Trojan Gel	27GEL-UT	1000	324	171	234	91	12	1	A / BTP	N	A
Trojan Gel	31GEL-UT	1000	329	171	245	102	12	1	A / BTP	N	A
Trojan AGM	31AGM-APW	1000	341	173	233	100	12	1	AP & TS	N	A
Trojan Gel	5SHPGEL-AP	1000	345	171	283	125	12	0	AP	N	N/A
Trojan Vented	SCS225-DWNT	600	355	171	251	130	12	1	AP & TS	B07	N/A
Bosch L5 Deep Cycle	L5080	200	518	276	242	230	12	3	AP	N	B
Trojan AGM	8DAGM-DT	1000	521	269	233	230	12	4	AP & TS	N	N/A
Trojan Gel	8DGEL-LT	1000	534	279	233	225	12	4	BT L	N	N/A

Key (Automotive Post = AP, Automotive Post & Threaded Stud = AP & TS, Female Thread = FT, Automotive/Bolt Through Post = A/BTP, Bolt Through Lug = BTL
*The National Caravan Council hasn't verified some of the Trojan range. This is due to the Trojan range being specifically designed to cope with the demands that large Recreational Vehicles place on the battery.