PRODUCT GUIDE 2022/23

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AGM²



DINC size now available with





Energys

Extreme

DX AGMJ4/

A NEW GENERATION OF BATTERY



Welcome to



A new generation of battery to meet the power demands of modern vehicles and machines

ODYSSEY[®] AGM² TPPL batteries are different than standard AGM or SLi (flooded) types as they combine three major technical advancements in one battery: Super-High-Grade Materials, Refined eChem and Thin Plate Pure Lead (TPPL) using 99% pure virgin lead (not recycled lead or alloy).

Putting this together with the most advanced plate and battery manufacturing facilities in the world sets them apart from other batteries in terms of power density, fast-charge acceptance, shelf life, durability and most of all value for money.



More Life



An ODYSSEY AGM² TPPL battery has the lowest self-discharge of any comparable battery – this means it will hold its charge longer than other conventional batteries.

More Power



When you come to start your car (even when it's been stood for a few weeks or even months) you want to know your battery will have the power to go!

ODYSSEY AGM² TPPL batteries provide up to twice the power of conventional batteries.

Compared to AGM and standard SLi battery types @-18°C (industry standard test).

Represents a car being started after being stood for >40 days with the TPPL battery at 70% state of charge.

More Performance



With over three times the life of conventional batteries, ODYSSEY AGM² TPPL batteries deliver over 30% more cycle life than other AGM batteries. This means that you will be guaranteed a start long after other batteries fail.

Compared to AGM and standard SLi battery types @-18°C with a 500A load (industry standard test). Represents a car being started after being stood for >26 days with the TPPL battery at 80% state of charge.

80%, 50% and 30% advised maximum depth of discharge rates for each battery type. **Represents a car being stood without starting with a 30mA parasitic load from onboard equipment.













Twice the power and three-times the life of any other conventional battery

AGM² INSIDE

Super-High-Grade Materials + Refined eChem + Thin Plate Pure Lead (TPPL) gives 2X the Power and 3X the life.

MASSIVE STARTING POWER Engine cranking pulses up to 2700 amps for five seconds.

EXTENDED CYCLE LIFE Up to 900 charge-discharge cycles at 50% depth of discharge. **EXTREME TEMPERATURE TOLERANCE** From a freezing -40°C to a blistering +80°C.

LONGER LIFE 8- to 12-year design life and 3- to 10-year service life. VIBRATION RESISTANT

Extreme protection against high-impact shocks and vibration.

VIRTUALLY

MAINTENANCE-FREE Sealed, Absorbed Glass Mat (AGM) advanced TPPL technology design never requires water.

Robust Intercell Connections

AGNE

Up to 58% larger these connections are cast and bonded to plates to resist vibration and ensure stronger internal connections.

Thin Plate Pure Lead (TPPL)

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Uniquely manufactured thin plates using 99% pure lead make them as strong as thick plates, allowing more plates in the same space, giving better recharge performance and more power.

Compressed AGM Plate Separators

3

Extreme leak-free vibration up to V4 resistance, even when the battery is installed on its side.

4 Upgraded Brass Terminals

Ensure secure, corrosion free cable connections. (Some models may have plated brass terminals).

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A range of Premium High Performance batteries to meet the demands of today's heavy duty and professional vehicles

Group 31 size

This is an Extreme battery to cope with the extreme demands of professional and utility vehicles – whether for massive starting power or long duration running, this battery is tried and tested to deliver when you need it.

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AGM TPPL Range - DINB & DINC

These batteries are true 'workhorses', providing massive starting power up to 1500A CCA (2700A PHCA) together with a 220Ah capacity for the DINC size.

DINC size now available with

CONNECT BATTERY MONITORING SYSTEM

Superb 'sprint' starting ability combined with exceptional deep cycle 'marathon' performance



Optimised TPPL Range -AGMDINC & ACEDINC

These batteries have been engineered and designed to match the increased demands of heavy duty vehicle fleets – creating a battery with superb 'sprint' starting ability combined with exceptional deep cycle 'marathon' performance.

Available with or without revolutionary ODYSSEY® CONNECT[™] technology, you can choose whether you require a 'Connected' solution using the dedicated Battery Monitoring App or not.

The patented^{*} ODYSSEY CONNECT technology built into the ACEDINC battery allows:

Voltage measurement

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- Temperature measurement
- Recording of the battery's history
- Monitoring of the battery's state of health
- Warning and safeguard notifications

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Capture and analysis of vehicle start data

ODYSSEY CONNECT CHIP (NOT TO SCALE)

Power to





Modern vehicles now place a massive demand on batteries, something that standard battery types were never designed for.

By using super-high-grade materials, refined eChem and the latest state-of-the-art TPPL manufacturing technology, ODYSSEY® batteries are able to operate in the most testing environments, from demanding Start-Stop requirements to operating in extremes of temperature from +50°C down to -40°C.



Our customers operate across the globe in some of the most testing conditions on earth, from extreme heat to the lowest temperatures.

Our Van and Light Commercial battery range offers some of the most advanced and tough batteries on the market especially designed for the demands of today's vans and light commercial vehicles.

ADVANCED

Powerto

"WE RELY ON ODYSSEY® BATTERIES TO SUPPLY ALL THE POWER NEEDED TO RACE FOR VICTORY"

Hyundai Motorsport Customer Racing WTCR driver Norbert Michelisz

Used by the Best to be the Best – ODYSSEY[®] batteries are renowned throughout the motorsport world



HYUNDA

NM

Power to

When you need a battery you can rely on to get the job done

Crops don't wait for anybody – when they're at their peak, you need to be ready to go! Unlike the weather, pests and crop diseases, there's one thing you can rely on – premium ODYSSEY® batteries!

When you're onsite, batteries seem to let you down at the worst possible times – in the pouring rain, snow or ice or when you are pushed to get the day started and job done. Investing in a premium ODYSSEY battery makes so much sense to avoid these costly failures.





In generator start (GenSet) applications, the saying 'time is money' is literal. Research shows that every hour of down time for a data centre can equal hundreds of thousands, if not millions of dollars, pounds or euros. In emergency situations, like hospitals or emergency infrastructure, time can literally equate to life. ODYSSEY batteries are therefore trusted by data centres and emergency service providers across the globe.





Power to

Whether it's out at sea, on the open road or in the wilderness, enjoy the peace of mind that comes with the ODYSSEY® Battery Marine & Leisure Range

Conditions out at sea can be unpredictable and change in minutes, that's why premium ODYSSEY® batteries are essential. Whether for starting, services or emergency, you can rely on the true dual-purpose and deep cycle power of these batteries to help in keeping you safe!

When out in the wilderness you need a battery that you can rely on. ODYSSEY batteries are designed to cope with the dual purpose demands of recreational vehicles, whether that's powering the engine or coffee machine to get you started first thing in the morning!



There's nothing like hitting the open road after a long winter. ODYSSEY batteries have an exceptional shelf-life (Up to two years stored at 25°C - longer at cooler temperatures), so when it comes to starting up after the winter, you can be sure you'll be out on the road in no time.





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Accessories

Metal Jackets

ODYSSEY[®] batteries are designed to be tough and can operate at high temperatures, but when the temperature gets really high (up to +80°C), they benefit from a bit of support. This is because when the external ambient heat starts to rise above +40°C things start to naturally expand. The metal jacket counteracts this expansion and keeps the battery compressed and working to its optimum. It's also great protection for those hostile environments where rocks and debris may damage standard battery cases, especially when mounted in frames with an exposed base.

The following models are available with Metal Jackets (MJ): ODS-AGM15LMJ, ODS-AGM16LMJ, ODS-AGM28LMJA, ODX-AGM31MJ, ODS-AGM42LMJ, ODS-AGM70MJ.

Custom designed hold down kits

Custom made for a range of ODYSSEY batteries, the ODYSSEY Battery Hold Down Kit features a polished aluminium finish that says you're serious about performance. Ideal for applications requiring the mounting of an additional battery to power accessories and high-watt sound systems.

Hold down kits available for the following batteries: ODS-AGM16L, ODS-AGM28, ODS-AGM28L, ODS-AGM42, ODS-AGM42L, ODS-AGM42LA, ODS-AGM70, ODS-AGM70A.

ODP-AGM31, ODP-AGM31A, ODP-AGM31M, ODP-AGM34, ODP-AGM34R, ODP-AGM78, ODP-AGM34M, ODP-AGM65.

ODX-AGM31, ODX-AGM31A, ODX-AGM31R, ODX-AGM34, ODX-AGM34A, ODX-AGM34R, ODX-AGM34M, ODX-AGM34 78, ODX-AGM78, ODX-AGM65.

Please note: Hold Down Kits **do not** fit metal jacket batteries.

Terminal Adaptor Kits

Stud Adaptor (0220-0888) 5/16" Stud Adaptor with wing nuts For use with: PC545/ODS-AGM15L, PC680/ODS-AGM16L, PC925/ODS-AGM28L, PC1200/ODS-AGM42L and PC1700/ODS-AGM70

Adaptor Kit (2301-0329) 90° "L" Bracket

For use with: PC545/ODS-AGM15L, PC680/ODS-AGM16L, PC925/ODS-AGM28L, PC1200/ODS-AGM42L and PC1700/ODS-AGM70.

SAE Terminal Kit (3217-0006)

For use with: PC545/ODS-AGM15L, PC680/ODS-AGM16L, PC925/ODS-AGM28L, PC1200/ODS-AGM42L and PC1700/ODS-AGM70.

Marine Terminal Kit (2301-0439) 5/16" and 3/8" nuts and washers

For use with: 34M-790/ODP-AGM34M, 31M-925/ODP-AGM31M, 34M-PC1500/ODX-AGM34M and 31M-PC2150/ODX-AGM31M

PC2150/ODX-AGM31 SAE Kit (3217-0049)

For use with: 31-PC2150S/ODX-AGM31.

SAE Terminal Kit – 6mm (3217-0073)

For use with: PC370/ODS-AGM15E, PC950/ODS-AGM30E and PC1100/ODS-AGM40E.













ODYSSEY® Performance (ODP) Automotive

Designed and engineered specifically for automotive type applications and footprints, ODYSSEY® Performance (ODP) batteries will easily handle the increasing demands of Start-Stop and onboard accessories, supplying twice the power and three-times the life of conventional batteries.



Tunical applications but can be used for many others where size and fitment

		Nominal Capacity		Reserve	Maximum Dimensions						
Model Code (All 12V) Previous code shown in brackets ()	CCA ⁽¹⁾ A	(20 Hr Rate-Ah)	PHCA ⁽²⁾ (5 sec.)	Capacity Minutes	Length mm	Width mm	Height mm	Weight kg	Terminal	Terminal Position	Operating Temperature Range
ODP-AGM75 86 (75/86-705)	708A	49Ah	1100	89	240	180	202	19.7	SAE & Side	С	-40°C to +60°C
ODP-AGM96R (96R-600)	600A	52Ah	1100	90	242	175	176	18.3	SAE	А	-40°C to +60°C
ODP-AGM25 (25-675)	675A	59Ah	1200	117	242	176	219	20.8	SAE	В	-40°C to +60°C
ODP-AGM35 (35-675)	675A	59Ah	1200	117	242	176	219	20.8	SAE	А	-40°C to +60°C
ODP-AGM34 (34-790)	792A	61Ah	1500	124	275	172	199	21.1	SAE	В	-40°C to +60°C
ODP-AGM34R (34R-790)	792A	61Ah	1500	124	275	172	199	21.1	SAE	А	-40°C to +60°C
ODP-AGM78 (78-790)	792A	61Ah	1500	124	275	178	187	21.4	Side	D	-40°C to +60°C
ODP-AGM47 H5 L2 (47-650 (LN2-H5))	650A	62Ah	1150	105	242	175	189	19.0	SAE	А	-40°C to +60°C
ODP-AGM24 (24-725)	725A	63Ah	1300	155	276	172	225	23.3	SAE	В	-40°C to +60°C
ODP-AGM24F (24F-725)	725A	63Ah	1300	155	276	172	225	23.3	SAE	А	-40°C to +60°C
ODP-AGM65 (65-760)	762A	64Ah	1500	129	301	183	192	22.6	SAE	В	-40°C to +60°C
ODP-AGM48 H6 L3 (48-720 (LN3-H6))	720A	69Ah	1250	130	277	174	189	21.8	SAE	А	-40°C to +60°C
ODP-AGM94R H7 L4 (94R-850 (LN4-H7))	850A	80Ah	1500	155	315	174	189	24.9	SAE	А	-40°C to +60°C
ODP-AGM27 (27-850)	850A	85Ah	1500	182	316	172	225	27.1	SAE	В	-40°C to +60°C
ODP-AGM27F (27F-850)	850A	85Ah	1500	182	316	172	225	27.1	SAE	А	-40°C to +60°C
ODP-AGM49 H8 L5 (49-950 (LN5-H8))	950A	94Ah	1700	180	353	174	189	28.5	SAE	А	-40°C to +60°C
ODP-AGM31 (31-925S)	925A	100Ah	1750	200	330	172	243	31.5	3/8-16" Stud	F	-40°C to +60°C
ODP-AGM31A (31-925T)	925A	100Ah	1750	200	330	172	240	31.5	SAE	F	-40°C to +60°C
ODP-AGMDINB (629-DIN B-1300)	1300A	170Ah	2400	370	518	223	218	53.2	SAE	I	-40°C to +50°C
ODP-AGMDINC	1250A	215Ah	2300	450	517	275	241	64.7	SAE	I	-40°C to +65°C
ODP-ACEDINC	1250A	215Ah	2300	450	517	275	241	64.7	SAE	I	-40°C to +65°C
625-DIN C-1500	1500A	220Ah	2700	475	518	276	242	64.9	SAE	I	-40°C to +60°C

10 CCA-Cold Start Performance in accordance with SAE J537 12 PHCA-Pulse Current. All dimensions are nominal unless stated otherwise - please refer to eu.odysseybattery.com for other dimensions.

TERMINAL POSITIONS[†]

Drawing sizes are for terminal position reference only; diagrams are not proportionate to each other.



Terminal Types Explained^{*}





STUD POSTS

These terminals have a stud posts with various threads as specified for each battery, examples below:



M6 AND M4 FEMALE THREAD

power accessories or auxiliary items.

This type of terminal consists of a female thread which can take various adapters/terminals with an M6 or M4 thread as specified for each battery.



28.5 mm

[#] For exact dimensions and terminal details for each battery please refer to eu.odysseybattery.com

ODYSSEY® Motorsports & Motorbikes (ODS)

With a pedigree and reputation known across the Power & Motorsports world, ODYSSEY® Power & Motorsports (ODS) batteries provide concentrated extreme dual-purpose power while supplying exceptional reliability, service life and deep-cycle capabilities.



Typical applications but can be used for many others where size and fitments a

		Nominal Capacity		Reserve		Maximum Dimensions					
Model Code (All 12V) Previous code shown in brackets ()	CCA ⁽¹⁾ A	(20 Hr Rate-Ah)	PHCA ⁽²⁾ (5 sec.)	Capacity Minutes	Length mm	Width mm	Height mm	Weight kg	Terminal	Terminal Position	Operating Temperature Range
ODS-AGM8E (PC310)	100A	8Ah	310	9	138	86	99	2.7	M4 FemaleThread	G	-40°C to +50°C
ODS-AGM15L (PC545)	150A	13Ah	460	18	176	84	130	5.2	M6 FemaleThread	А	-40°C to +45°C
ODS-AGM16B (PC535)	200A	14Ah	535	21	170	99	159	5.4	M6 FemaleThread	В	-40°C to +45°C
ODS-AGM16L (PC680)	170A	16Ah	520	24	182	76	168	7.0	M6 FemaleThread	А	-40°C to +45°C
ODS-AGM16CL (PC625)	220A	18Ah	540	26	170	99	177	6.0	M6 FemaleThread	А	-40°C to +45°C
ODS-AGM28L (PC925)	330A	28Ah	900	48	167	176	126	10.8	M6 FemaleThread	А	-40°C to +45°C
ODS-AGM28 (PC925L)	330A	28Ah	900	48	167	176	126	10.8	M6 FemaleThread	В	-40°C to +45°C
ODS-AGM30E (PC950)	400A	34Ah	950	60	250	97	156	9.1	M6 Stud	А	-40°C to +45°C
ODS-AGM42L (PC1200)	540A	42Ah	1200	78	198	166	171	17.3	M6 FemaleThread	А	-40°C to +45°C
ODS-AGM42LA (PC1200T)	540A	42Ah	1200	78	198	166	192	17.3	SAE	А	-40°C to +45°C
ODS-AGM42 (PC1200L)	540A	42Ah	1200	78	198	166	171	17.3	M6 FemaleThread	В	-40°C to +45°C
ODS-AGM40E (PC1100)	500A	45Ah	1100	87	250	97	206	12.5	M6 Stud	А	-40°C to +45°C
ODS-AGM70 (PC1700)	810A	68Ah	1550	142	331	168	176	27.6	M6 FemaleThread	А	-40°C to +45°C
ODS-AGM70A (PC1700T)	810A	68Ah	1550	142	331	168	197	27.6	SAE	А	-40°C to +45°C
Metal Jacket Version											
ODS-AGM15LMJ (PC545MJ)	150A	13Ah	460	18	178	86	131	5.6	M6 FemaleThread	А	-40°C to +80°C
ODS-AGM16LMJ (PC680MJ)	170A	16Ah	520	24	185	79	169	7.5	M6 FemaleThread	А	-40°C to +80°C
ODS-AGM28LMJA (PC925MJT)	330A	28Ah	900	48	169	179	148	11.5	SAE	А	-40°C to +80°C
ODS-AGM42LMJ (PC1200MJ)	540A	42Ah	1200	78	200	169	173	18.4	M6 FemaleThread	А	-40°C to +80°C
ODS-AGM42LMJA (PC1200MJT)	540A	42Ah	1200	78	200	169	193	18.4	SAE	А	-40°C to +80°C
ODS-AGM70MJ (PC1700MJ)	810A	68Ah	1550	142	331	168	177	27.6	M6 FemaleThread	А	-40°C to +80°C
ODS-AGM70MJA (PC1700MJT)	810A	68Ah	1550	142	331	168	198	27.6	SAE	А	-40°C to +80°C

10 CCA-Cold Start Performance in accordance with SAE J537 12 PHCA-Pulse Current. All dimensions are nominal unless stated otherwise - please refer to eu.odysseybattery.com for other dimensions.

ODYSSEY® Extreme (ODX)

Where size and power matters, the ODYSSEY Extreme (ODX) battery gives you it all. With its heritage in military and specialist vehicle applications, this range is the toughest you can get – whether it's extreme terrain, temperatures or power demand, or all of them combined, the ODX range will deliver.



Typical applications but can be used for many others where size and fitments allow.

		Capacity		Rosorvo	Maximum Dimensions						
Model Code (All 12V) Previous code shown in brackets ()	CCA ⁽¹⁾ A	(20 Hr Rate-Ah)	PHCA ⁽²⁾ (5 sec.)	Capacity Minutes	Length mm	Width mm	Height mm	Weight kg	Terminal	Terminal Position	Operating Temperature Range
ODX-AGM34 (34-PC1500)	850A	68Ah	1500	135	276	172	202	22.5	SAE	В	-40°C to +80°C
ODX-AGM34R (34R-PC1500)	850A	68Ah	1500	135	276	172	202	22.5	SAE	А	-40°C to +80°C
ODX-AGM34 78 (34/78-PC1500)	850A	68Ah	1500	135	276	180	200	22.5	SAE & Side	С	-40°C to +80°C
ODX-AGM78 (78-PC1500)	850A	68Ah	1500	135	276	180	186	22.5	Side	D	-40°C to +80°C
ODX-AGM65 (65-PC1750)	950A	74Ah	1750	145	301	183	190	24.5	SAE	В	-40°C to +80°C
ODX-AGM31 (31-PC2150S)	1150A	100Ah	2150	205	330	173	241	35.3	3/8-16" Stud	F	-40°C to +80°C
ODX-AGM31A (31-PC2150T)	1150A	100Ah	2150	205	330	173	246	35.3	SAE	F	-40°C to +80°C
ODX-AGM31R (31R-PC2150S)	1150A	100Ah	2150	205	330	173	241	35.3	3/8-16" Stud	G	-40°C to +80°C
Metal Jacket Version											
ODX-AGM31MJ (31-PC2150MJS)	1150A	100Ah	2150	205	332	176	242	36.8	3/8-16" Stud	F	-40°C to +80°C

10 CCA-Cold Start Performance in accordance with SAE J537 12 PHCA-Pulse Current. All dimensions are nominal unless stated otherwise - please refer to eu.odysseybattery.com for other dimensions.

ODYSSEY® Marine & Leisure

Extreme Battery Range

Especially designed for marine & leisure applications.

Typical applications but can be used for many ot

			Nominal Capacity	Nominal Capacity Reserve		imum Dimen	sions				
Model Code (All 12V) Previous code shown in brackets ()	CCA ⁽¹⁾ A	MCA A	(20 Hr Rate-Ah)	Capacity Minutes	Length mm	Width mm	Height mm	Weight kg	Terminal	Terminal Position	Operating Temperature Range
ODX-AGM34M (34M-PC1500ST)	850A	1050A	68Ah	134	276	172	202	23.1	DualTerminal	E	-40°C to +80°C
ODX-AGM65M	930A	1070A	69Ah	135	300	186	193	24.5	DualTerminal	E	-40°C to +80°C
ODX-AGM24M	840A	1000A	76Ah	160	277	172	224	25.9	DualTerminal	E	-40°C to +80°C
ODX-AGM27M	930A	1080A	92Ah	195	317	172	224	30.8	DualTerminal	E	-40°C to +80°C
ODX-AGM31M (31M-PC2150ST)	1150A	1370A	100Ah	220	330	173	239	34.1	DualTerminal	E	-40°C to +80°C
ODS-AGM6M (PC2250)	1225A	1550A	126Ah	240	286	269	233	39.0	SAE and 3/8-16" Stud	н	-40°C to +45°C
ODS-AGM470FTT (PC1800-FT)	1300A	1450A	214Ah	475	581	125	317	59.9	M10 Front Stud	J	-40°C to +45°C

ODYSSEY® Marine & Leisure **Performance Battery Range**

									Typical applications but car	be used for many	others where size and fitments allow.
			Nominal Capacity Reserve		Maximum Dimensions						
Model Code (All 12V) Previous code shown in brackets ()	CCA ⁽¹⁾ A	MCA A	(20 Hr Rate-Ah)	Capacity Minutes	Length mm	Width mm	Height mm	Weight kg	Terminal	Terminal Position	Operating Temperature Range
ODP-AGM34M (34M-790)	800A	1000A	62Ah	125	275	172	201	21.6	DualTerminal	E	-40°C to +60°C
ODP-AGM24M (24M-725)	725A	825A	63Ah	155	276	172	225	23.3	DualTerminal	E	-40°C to +60°C
ODP-AGM27M (27M-850)	850A	975A	85Ah	182	316	172	225	27.1	DualTerminal	E	-40°C to +60°C
ODP-AGM31M (31M-925)	925A	1150A	100Ah	190	330	172	240	28.7	DualTerminal	E2	-40°C to +60°C
ODP-AGMDINB (629-DIN B-1300)	1300A	1549A	170Ah	370	518	223	218	53.2	SAE	I	-40°C to +60°C
ODP-AGMDINC	1250A	1500A	215Ah	450	517	275	241	64.7	SAE	Ι	-40°C to +60°C
ODP-ACEDINC	1250A	1500A	215Ah	450	517	275	241	64.7	SAE	I	-40°C to +60°C
625-DIN C-1500	1500A	1780A	220Ah	475	518	276	242	64.9	SAE	I	-40°C to +60°C

10 CCA-Cold Start Performance in accordance with SAE J537. All dimensions are nominal unless stated otherwise - please refer to eu.odysseybattery.com for other dimensions.

ODYSSEY[®] Battery **Dedicated Chargers**

These dedicated chargers optimise the performance and life of your ODYSSEY battery. With a rugged and compact design, they deliver fast and efficient charging, whether you are an auto professional, or if you're using at home.

The chargers are fully automatic with 7, 17 and 30-Amp model options, IP67 classified (waterproof for outdoor use), non-sparking, polarity protected, short-circuit proof and are over 90% efficient.

- Fully automatic for optimal charging
- Can also be used for all quality 12-volt Lead Acid and standard Absorbed Glass Mat (AGM) batteries
- Waterproof, shockproof and ignition protected
- User-friendly LED interface for charge status indication
- **CE Approved**

Charger Model	For ODYSSEY® Battery Nominal Capacity (20hr Rate - Ah)
12V 7A	Up to 35Ah
12V 17A	35Ah to 85Ah
12V 30A	85Ah and above





