



1996 ★ 2021

ODYSSEY[®] BATTERY

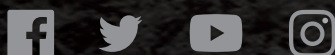
PRODUCT GUIDE

2X
POWER
+
3X
THE LIFE
OF
CONVENTIONAL
BATTERIES



THE POWER TO BE DIFFERENT

eu.odysseybattery.com



It's the only battery built with...

2X
POWER
+
3X
THE LIFE
OF
CONVENTIONAL
BATTERIES

PURE™ POWER

Whatever you need a battery for, it has got to be one that you can trust and rely on when things get tough – whether on the road, on track, in the mountains or out at sea.

With over a million sold and used worldwide, you can be assured that every ODYSSEY® battery, engineered with Pure Power TPPL Technology, will deliver up to twice the power and three-times the life of any other conventional battery on the market today!



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

MASSIVE STARTING POWER

Engine cranking pulses up to 2,700 amps for five seconds.

EXTENDED CYCLE LIFE

Up to 900 charge-discharge cycles at 50% depth of discharge (EN 50342-1) and excels down to 80% with dual purpose power to spare.

EXTREME TEMPERATURE TOLERANCE

From a freezing -40°C up 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.



1 Robust Intercell Connections

Up to 58% larger - these connections are cast and bonded to plates to resist vibration and eliminate internal sparking.

2 Thin Plate Pure Lead (TPPL)

Uniquely manufactured thin plates (using pure lead) make them comparable to thick plates, allowing more plates in the same space, giving better performance and more power.

3 Compressed AGM Plate Separators

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

4 Tin Alloy Coated Brass Terminals

Ensure secure, corrosion-free cable connections.
(For ODYSSEY® Extreme batteries only; ODYSSEY® Performance batteries have lead coated terminals)

Designed for the demands of modern vehicles, watercraft and equipment the ODYSSEY® Battery Extreme and Performance series can supply a range of dual-purpose batteries for almost every application.

Some batteries offer enormous cranking power. Others, deep cycle reserve power. Unbeatable ODYSSEY batteries do both. Even at very low temperatures, ODYSSEY batteries have the power to provide engine cranking pulses in excess of 2,700 amps for five seconds – up to three-times that of equally sized conventional batteries.



AUTOMOTIVE

Today's vehicles are loaded with more electronics than would have been imaginable just a few years ago. ODYSSEY batteries are designed to keep up with the changes. So, go ahead and plug in your phones and tablets – you'll still have massive, reliable starting power for up to 3X longer than conventional batteries.

UTILITY VEHICLES

Ambulances, fire engines and utility service vehicles all rely on battery power to not only start the engine but to power essential, and often lifesaving, equipment. ODYSSEY batteries are as tough as the demands, whether it be for fighting fires, search and rescue, life-support or supplying essential services you are assured of a battery that will be with you all the way.

BUS

The ultimate in start-stop tests, buses and coaches can destroy conventional batteries in a matter of months. An ODYSSEY battery will give you at least twice the power and three-times the life, ensuring that for every stop there is a start.

MOTORBIKES

Whether for racing or touring an ODYSSEY® battery will support you all the way. From cruising on the road to racing on the track. It'll also be there for you after long, cold winters when other batteries will have gone to sleep for good.

AGRICULTURE AND HEAVY PLANT

A high-compression design delivers exceptional electrical performance and protection against the high-impact shocks and vibration that often cause premature battery failure. 30% more deep-cycle capability enables you to discharge your battery deeper than ever before, while still delivering the same or even better life.

Quite simply this means that you can run the battery for much longer (at least 30% longer) and still have plenty of power (way after other batteries will let you down).

TRUCK

With a deep-cycle capability of 660 cycles to 50% depth of discharge an ODYSSEY battery allows truck operators to keep onboard accessories and tail-lifts running day and night, and still be assured of an engine start – even in the coldest temperatures. Trials have shown massive savings of over £100K per year for large fleet operators.

POWERSPORTS

Used by some of the top racing teams in the world, ODYSSEY batteries are trusted to take the constant pounding that comes with racing and extreme terrain, whether it's on land, sea or snow. The non-spillable TPPL design means that an ODYSSEY battery will roll with the curves, while its military-inspired design and extreme vibration resistance will cushion any blow. It doesn't say Extreme on the label for nothing!

VANS AND LIGHT COMMERCIAL VEHICLES

An ODYSSEY battery provides one of the most advanced and tough batteries on the market especially designed for the demands of today's vans and light commercial vehicles. While you always strive to be there on time, every time, the last thing you need is a battery that will let you down. An ODYSSEY battery will deliver.

GENSET AND INDUSTRIAL

The ODYSSEY battery range is designed for extremes – extremes of use, extremes of discharge and extremes of temperature. This makes them ideal for genset and industrial applications, where reliability is key and long-term cost is critical.

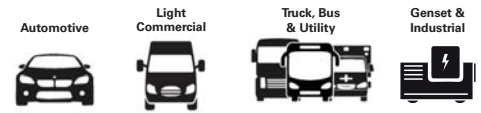
MARINE

With a range of equipment from navigation systems to air-conditioning, today's boats are power hungry. The ODYSSEY battery range includes a solution for almost every application from engine start to hybrid drives. This tried and tested technology is widely used in the harshest conditions and environments – so ideal for the demands of marine applications.



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.



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

Model Code (All 12V) Previous code shown in brackets ()	CCA ⁽¹⁾ A	Nominal Capacity (20 Hr Rate-Ah)	Reserve Capacity Minutes	PHCA ⁽²⁾ (5 sec.)	Maximum Dimensions				Terminal	Terminal Position	Operating Temperature Range
					Length mm	Width mm	Height ⁽³⁾ mm	Weight kg			
ODP-AGM75 86 (75/86-705)	708A	49Ah	89	1100A	240	171	202	19.7	SAE and Side 3/8-16" Female Thread	6	-40°C to +60°C
ODP-AGM96R (96R-600)	600A	52Ah	90	1100A	242	175	174	18.3	SAE, Right Positive Terminal	2	-40°C to +60°C
ODP-AGM25	675A	59Ah	110	1200A	240	172	217	20.8	SAE	1	-40°C to +60°C
ODP-AGM35 (35-675)	675A	59Ah	110	1200A	240	172	217	20.8	SAE	2	-40°C to +60°C
ODP-AGM34 (34-790)	792A	61Ah	120	1300A	275	172	199	21.1	SAE	1	-40°C to +60°C
ODP-AGM34R (34R-790)	792A	61Ah	120	1300A	275	172	199	21.1	SAE, Right Positive Terminal	2	-40°C to +60°C
ODP-AGM78 (78-790)	792A	61Ah	120	1300A	275	172	187	21.4	Side 3/8-16" Receptacle	7	-40°C to +60°C
ODP-AGM24 (24-725)	725A	63Ah	155	1300A	276	172	225	23.3	SAE	1	-40°C to +60°C
ODP-AGM24F (24F-725)	725A	63Ah	155	1300A	276	172	225	23.3	SAE, Right Positive Terminal	2	-40°C to +60°C
ODP-AGM47 H5 L2 (47-650 (LN2-H5))	650A	62Ah	105	1150A	242	175	189	19.0	SAE	2	-40°C to +60°C
ODP-AGM65 (65-760)	750A	64Ah	129	1350A	301	183	192	22.6	SAE	1	-40°C to +60°C
ODP-AGM48 H6 L3 (48-720 (LN3-H6))	720A	69Ah	130	1250A	277	174	189	21.8	SAE	2	-40°C to +60°C
ODP-AGM94R H7 L4 (94R-850 (LN4-H7))	840A	80Ah	150	1500A	315	174	189	24.9	SAE	2	-40°C to +60°C
ODP-AGM27 (27-850)	850A	85Ah	182	1500A	316	172	225	27.1	SAE	1	-40°C to +60°C
ODP-AGM27F (27F-850)	850A	85Ah	182	1500A	316	172	225	27.1	SAE, Right Positive Terminal	2	-40°C to +60°C
ODP-AGM49 H8 L5 (49-950 (LN5-H8))	950A	94Ah	160	1700A	353	174	189	28.5	SAE	2	-40°C to +60°C
ODP-AGM31 (31-925S)	925A	100Ah	200	1750A	330	172	243	31.5	3/8-16" Stud	1	-40°C to +60°C
ODP-AGM31A (31-925T)	925A	100Ah	200	1750A	330	172	240	31.5	SAE	1	-40°C to +60°C
ODP-AGMDINB	1300A	170Ah	370	2400A	518	226	218	53.3	SAE	3	-40°C to +50°C
ODP-AGMDINC	1500A	220Ah	475	2700A	518	276	225	65.0	SAE	3	-40°C to +50°C

⁽¹⁾CCA-Cold Start Performance in accordance with SAE J537 ⁽²⁾PHCA-Pulse Current ⁽³⁾Height is to the top of terminals - 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.

Model Code (All 12V) Previous code shown in brackets ()	CCA ⁽¹⁾ A	Nominal Capacity (20 Hr Rate-Ah)	Reserve Capacity Minutes	PHCA ⁽²⁾ (5 sec.)	Maximum Dimensions				Terminal	Terminal Position	Operating Temperature Range
					Length mm	Width mm	Height ⁽³⁾ mm	Weight kg			
ODX-AGM34 (34-PC1500)	850A	68Ah	134	1500A	276	172	202	22.5	SAE	1	-40°C to +80°C
ODX-AGM34R (34R-PC1500)	850A	68Ah	134	1500A	276	172	200	22.5	SAE, Right Positive Terminal	2	-40°C to +80°C
ODX-AGM34 78 (34/78-PC1500)	850A	68Ah	134	1500A	276	172	200	22.5	Top SAE, SIDE 3/8" Female Thread	6	-40°C to +80°C
ODX-AGM65 (65-PC1750)	950A	74Ah	135	1750A	301	183	190	24.5	SAE	1	-40°C to +80°C
ODX-AGM31 (31-PC2150S)	1150A	100Ah	205	2150A	330	173	241	35.3	3/8-16" Stud	1	-40°C to +80°C
ODX-AGM31A (31-PC2150T)	1150A	100Ah	205	2150A	330	173	246	35.3	SAE	1	-40°C to +80°C
ODX-AGM31MJ (31-PC2150MJS)	1150A	100Ah	205	2150A	330	173	246	35.3	3/8-16" Stud	1	-40°C to +80°C

⁽¹⁾CCA - Cold Start Performance in accordance with SAE J537 ⁽²⁾PHCA - Pulse Current ⁽³⁾Height is to the top of terminals - please refer to eu.odysseybattery.com for other dimensions.
MJ = Metal Jacket

ODYSSEY® Power & Motorsports (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 to keep you ahead.



Model Code (All 12V) Previous code shown in brackets ()	CCA ⁽¹⁾ A	Nominal Capacity (20 Hr Rate-Ah)	Reserve Capacity Minutes	PHCA ⁽²⁾ (5 sec.)	Maximum Dimensions				Terminal	Terminal Position	Operating Temperature Range
					Length mm	Width mm	Height ⁽³⁾ mm	Weight kg			
ODS-AGM8E (PC310)	100A	8Ah	9	310A	138	86	99	2.7	M4 Female Thread	2	-40°C to +50°C
ODS-AGM15L (PC545)	150A	13Ah	18	460A	176	84	124	5.2	M6 Female Thread	2	-40°C to +50°C
ODS-AGM15LMJ (PC545MJ)	150A	13Ah	18	460A	178	86	125	5.2	M6 Female Thread	2	-40°C to +80°C
ODS-AGM16B (PC535)	200A	14Ah	21	535A	170	99	158	5.4	Brass M6 side terminals	1	-40°C to +50°C
ODS-AGM16L (PC680)	170A	16Ah	24	520A	182	76	162	7.0	M6 Female Thread†	2	-40°C to +50°C
ODS-AGM16LMJ (PC680MJ)	170A	16Ah	24	520A	185	79	163	7.0	M6 Female Thread†	2	-40°C to +80°C
ODS-AGM16CL (PC625)	220A	18Ah	26	540A	170	99	177	6.0	Brass M6 side terminals	2	-40°C to +50°C
ODS-AGM28 (PC925L)	330A	28Ah	48	900A	167	176	119	10.8	M6 Female Thread†	1	-40°C to +50°C
ODS-AGM28L (PC925)	330A	28Ah	48	900A	167	176	119	10.8	M6 Female Thread†	2	-40°C to +50°C
ODS-AGM28LMJA (PC925MJT)	330A	28Ah	48	900A	169	179	148	10.8	SAE with 3/8-16" Female Thread	2	-40°C to +80°C
ODS-AGM30E (PC950)	400A	34Ah	60	950A	250	97	156	9.1	M6 Stud	2	-40°C to +50°C
ODS-AGM42L (PC1200)	540A	42Ah	78	1200A	198	166	163	17.3	M6 Female Thread†	2	-40°C to +50°C
ODS-AGM42LMJ (PC1200MJ)	540A	42Ah	78	1200A	200	169	164	17.3	M6 Female Thread†	2	-40°C to +80°C
ODS-AGM40E (PC1100)	500A	45Ah	87	1100A	250	97	206	12.5	M6 Stud	2	-40°C to +50°C
ODS-AGM70 (PC1700)	810A	68Ah	142	1550A	331	168	168	27.6	M6 Female Thread†	2	-40°C to +50°C
ODS-AGM70A (PC1700T)	810A	68Ah	142	1550A	331	168	197	27.6	SAE with 3/8-16" Female Thread	2	-40°C to +50°C
ODS-AGM70MJ (PC1700MJ)	810A	68Ah	142	1550A	331	168	169	27.6	M6 Female Thread†	2	-40°C to +80°C

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ODYSSEY® Marine

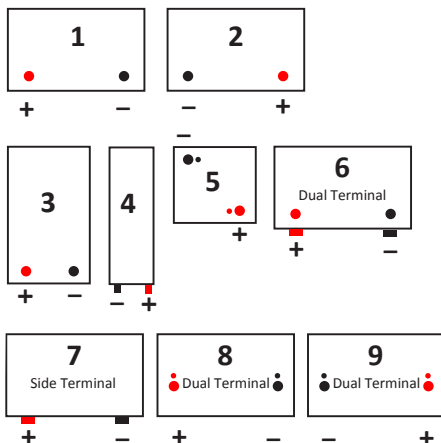
Especially designed for marine applications, although can be used in other applications where size and fitments allow.



Model Code (All 12V) Previous code shown in brackets ()	CCA ⁽¹⁾ A	Nominal Capacity (20 Hr Rate-Ah)	Reserve Capacity Minutes	PHCA ⁽²⁾ (5 sec.)	Maximum Dimensions				Terminal	Terminal Position	Operating Temperature Range
					Length mm	Width mm	Height ⁽³⁾ mm	Weight kg			
ODP-AGM34M (34M-790)	710A	60Ah	120	1300A	275	172	201	21.6	SAE and 3/8-16" Stud (Pos.), 5/16-18" Stud (Neg.)	8	-40°C to +60°C
ODP-AGM24M (24M-725)	725A	63Ah	155	1300A	276	172	225	23.3	SAE and 3/8-16" Stud (Pos.), 5/16-18" Stud (Neg.)	8	-40°C to +60°C
ODX-AGM34M (34M-PC1500ST)	850A	68Ah	134	1500A	276	172	202	22.5	SAE and 3/8-16" Stud (Pos.), 5/16-18" Stud (Neg.)	8	-40°C to +80°C
ODP-AGM27M (27M-850)	850A	85Ah	182	1500A	316	147	225	27.1	SAE and 3/8-16" Stud (Pos.), 5/16-18" Stud (Neg.)	8	-40°C to +60°C
ODP-AGM31M (31M-925)	925A	87Ah	190	1750A	330	172	240	32.7	SAE and 3/8-16" Stud (Pos.), 5/16-18" Stud (Neg.)	9	-40°C to +60°C
ODX-AGM31M (31M-PC2150ST)	1150A	100Ah	205	2150A	330	173	239	35.3	SAE and 3/8-16" Stud (Pos.), 5/16-18" Stud (Neg.)	8	-40°C to +80°C
ODS-AGM6M (PC2250)	1225A	114Ah	240	2250A	286	269	233	39.0	DIN and 3/8-16" Stud	5	-40°C to +40°C
ODP-AGMDINB (629-DIN B-1300)	1300A	170Ah	370	2400A	518	226	218	53.3	SAE	3	-40°C to +50°C
ODS-AGM470FTT (PC1800-FT)	1300A	214Ah	475	1800A	581	125	316	60.0	M10 Stud	4	-40°C to +50°C
ODP-AGMDINC (625-DIN C-1500)	1500A	220Ah	475	2700A	518	276	225	65.0	SAE	3	-40°C to +50°C

⁽¹⁾CCA - Cold Start Performance in accordance with SAE J537 ⁽²⁾PHCA - Pulse Current ⁽³⁾Height is to the top of terminals - please refer to eu.odysseybattery.com or Technical Manual for other dimensions.

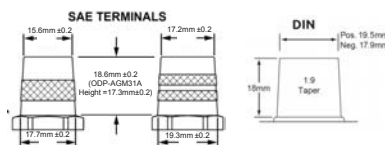
TERMINAL POSITIONS*



Terminal Types Explained*

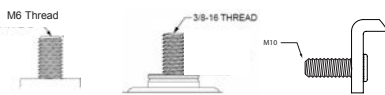
SAE AND DIN POSTS

These are posts in the shape of truncated cones with slightly different diameters to indicate polarity, as in the examples below:



STUD POSTS

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



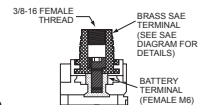
FEMALE THREAD

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.



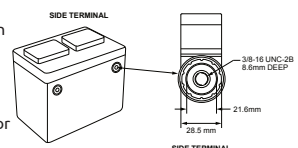
SAE 3/8 16" FEMALE THREAD

This is an SAE post which can be installed on female M6 terminals. The SAE post has a 3/8 16" female threaded insert.



SIDE 3/8-16" FEMALE THREAD

Side terminals are normally supplied in addition to top terminals and allow the fixing of other connections to power accessories or auxiliary items.



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

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

When the heat is on or you need something tougher – Get a Jacket!

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-AGM-31MJ,
ODS-42LMJ, ODS-AGM70MJ.



Accessories

Hold down kits and terminal adaptor kits

CUSTOM DESIGNED HOLD DOWN KITS

Custom made for a range of specialty 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. Please note: ODYSSEY battery hold down kits fit non-metal jacket batteries only.



- Enhances appearance
- Prevents battery movement in any configuration and/or location*
- One-year limited warranty protects against manufacturing defects
- Designed and precision-machined exclusively for ODYSSEY batteries

Hold Down Kit Reference	Fits Battery Models	Dimensions
HK-ODS-AGM16 (HK-PC680)	ODS-AGM16	184mm(L) x125mm(W) x161mm(H)
HK-ODS-AGM28 (HK-PC925)	ODS-AGM28	222mm(L) x187mm(W) x146mm(H)
HK-ODS-AGM42 (HK-PC1200)	ODS-AGM42	226mm(L) x127mm(W) x168mm(H)
HK-ODX-AGM34 (HK-PC1500)	ODX-AGM34	262mm(L) x226mm(W) x178mm(H)
HK-ODS-AGM70 (HK-PC1700)	ODS-AGM70	337mm(L) x222mm(W) x190mm(H)
HK-ODX-AGM65 (HK-PC1750)	ODX-AGM65	286mm(L) x239mm(W) x180mm(H)
HK-ODX-AGM31 (HK-PC2150)	ODX-AGM31	338mm(L) x219mm(W) x211mm(H)

*Vehicle attachment hardware not included

Suitable for a range of applications
Automotive • Trucks • Classic • Custom • Racing • Marine • RV

TERMINAL ADAPTOR KITS

Stud Adaptor (0220-0888) 5/16" Stud Adaptor with wing nuts

These two stud adaptors are used to convert batteries with M6 female threads into 5/16". The wing nuts allow the user to connect and disconnect the battery without the need for tools.

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

This kit contains two 90° L-Brackets and M6 fasteners. They are used to modify the connection of certain batteries from top fitting to side fitting. Typically used in applications where space is limited and the original cabling is designed to connect this way, for example in a motorbike's battery compartment.

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



SAE Terminal Kit (3217-0006)

This kit contains two SAE terminal posts; one negative and one positive, and 3/8" hardware. They are used to convert a battery with M6 female threaded terminals to one with SAE terminals for automotive applications. They also allow the connection of a 3/8" cable connector to the top of the SAE terminal.

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

This kit is used to secure connectors to batteries with 5/16" and 3/8" Marine terminals.

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)

This kit contains two SAE terminal posts; one negative and one positive. They are used to convert the 31-PC2150S/ODX-AGM31 with stud terminals to one with SAE terminals which offers installation flexibility.

For use with: 31-PC2150S/ODX-AGM31



SAE Terminal Kit – 6mm (3217-0073)

This kit contains two SAE terminal posts; one negative and one positive. They are used to convert a battery with stud terminals to one with SAE terminals for automotive applications.

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





ODYSSEY[®]
BATTERY



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