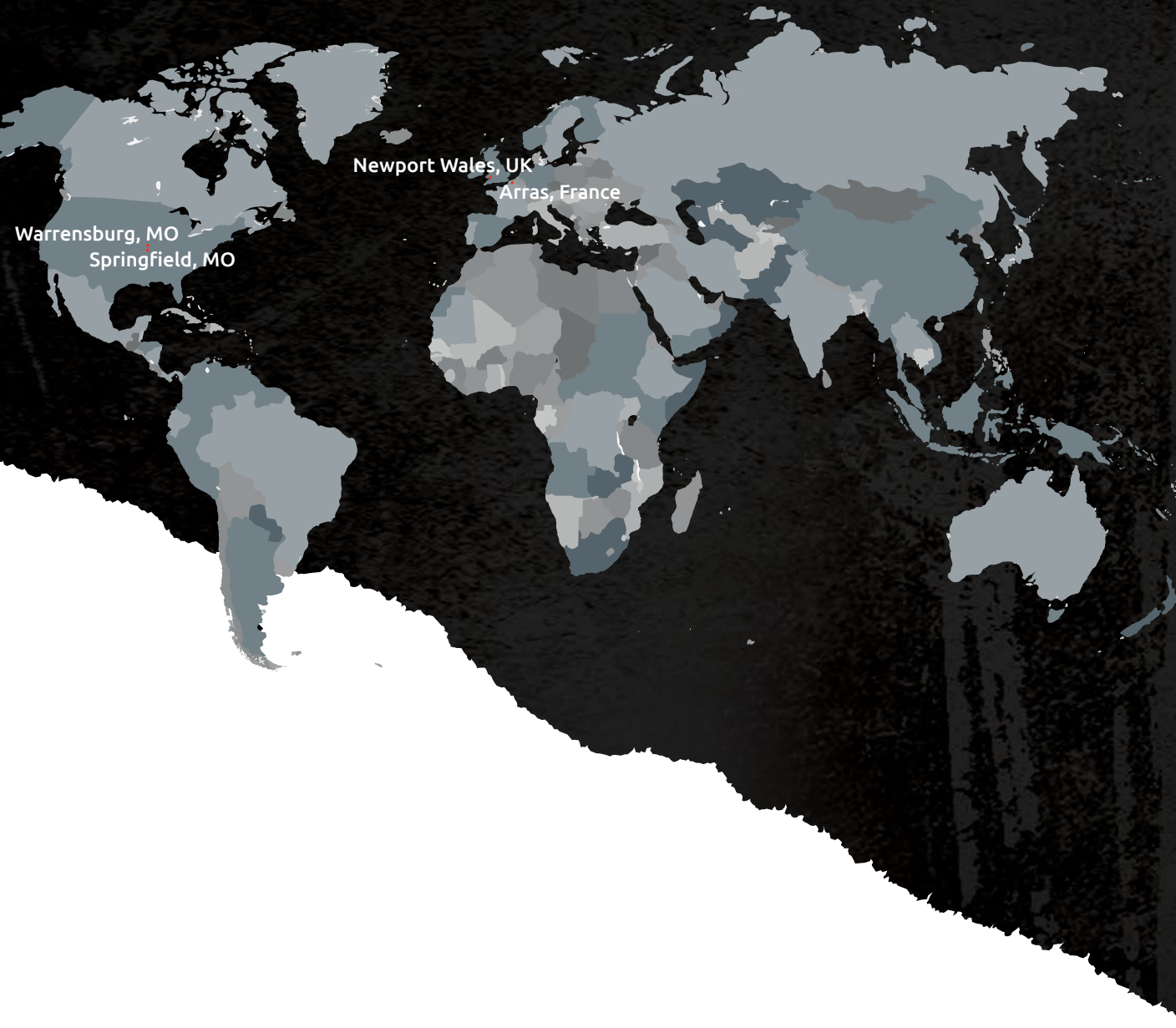


ODYSSEY[®] BATTERY

expertise in technologies
combined with **worldwide**
TPPL manufacturing capabilities



A NEW GENERATION OF BATTERY



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Welcome to AGM² TPPL

A new generation of battery for modern power demands

ODYSSEY® AGM² Thin Plate Pure Lead (TPPL) batteries feature pure lead plates that are extremely thin, so more of them fit into the battery. More plates mean more power – ODYSSEY AGM² TPPL batteries deliver twice the power and three times the service life of any other conventional battery, outperforming standard AGM or SLI (flooded) batteries in terms of power density, fast-charge acceptance, shelf life, durability and most important – value for your money.

**2X
POWER
+
3X
THE LIFE
OF
CONVENTIONAL
BATTERIES**

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

AGM² INSIDE

Super High-Grade Materials + Refined Electro-Chemistry + TPPL = 2X the power and 3X the life.

WIDE TEMPERATURE TOLERANCE

-40°C to +80°C.

VIBRATION RESISTANT
Protection from high-impact shocks and vibration.

MASSIVE STARTING POWER

Engine cranking pulses up to 2700 amps for 5 seconds.

LONGER LIFE

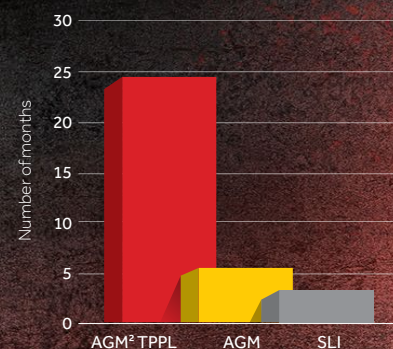
8- to 12-year design life and 3- to 10-year service life compared to conventional lead acid batteries.

VIRTUALLY MAINTENANCE-FREE
Sealed ODYSSEY AGM² TPPL batteries never need water.

EXTENDED CYCLE LIFE

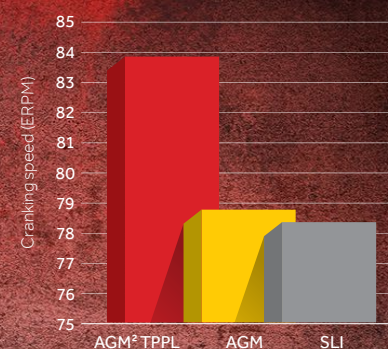
Up to 900 charge-discharge cycles at 50% DOD.

More Life



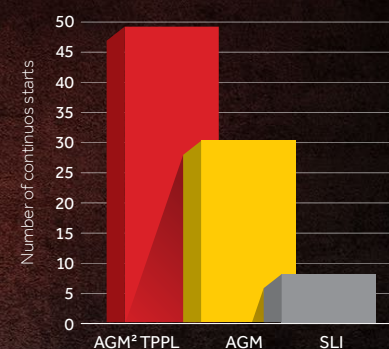
ODYSSEY AGM² TPPL batteries have the industry's lowest self-discharge rate, so they hold their charge longer than competitive batteries.

More Power



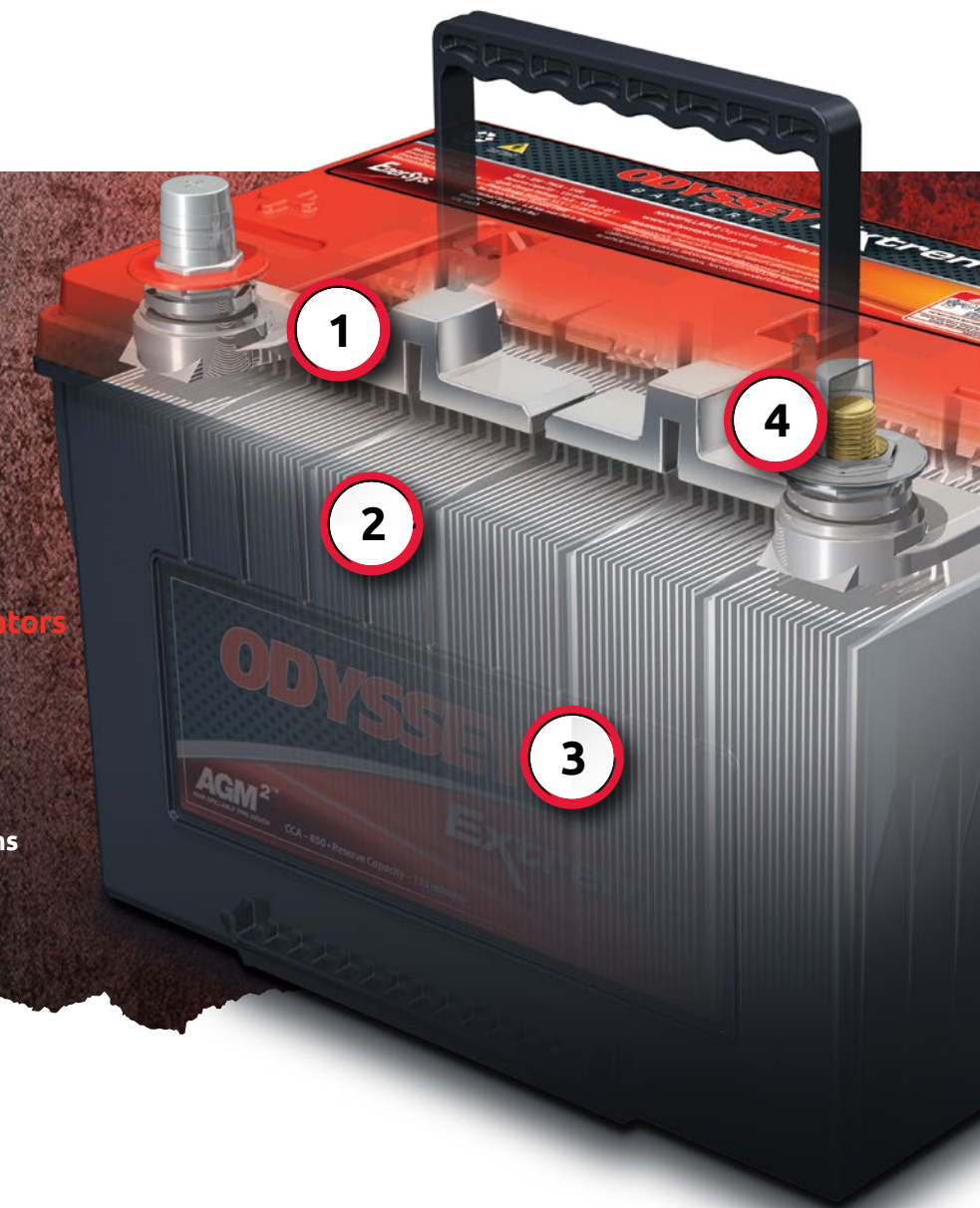
ODYSSEY AGM² TPPL batteries have starting power you can rely on, providing up to twice the power of conventional batteries.

More Performance



ODYSSEY AGM² TPPL batteries deliver over 30% more cycle life than other AGM batteries, so you'll enjoy more continuous starts.

- 1 Robust Intercell Connections**
resist vibration and ensure stronger internal connections.
- 2 Thin Plate Pure Lead (TPPL)**
design means more plates for more performance and power.
- 3 Compressed AGM Plate Separators**
ensure leak-free performance and vibration resistance.
- 4 Upgraded Brass Terminals**
for secure, corrosion-free connections (some models plated brass)



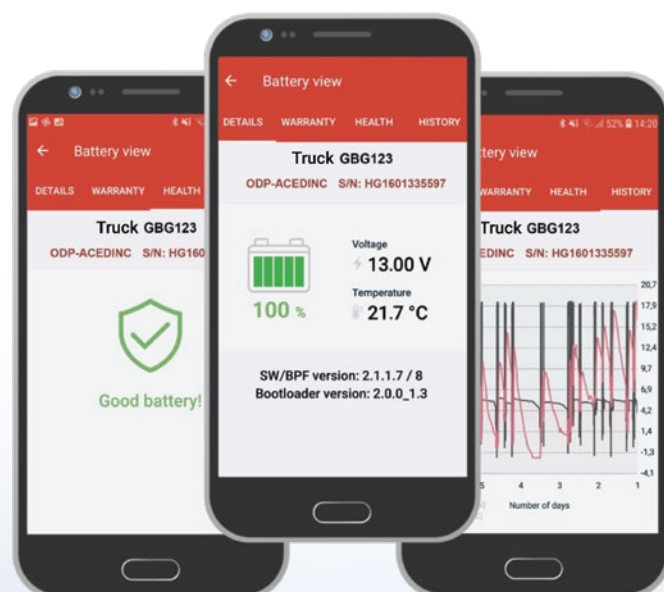
ODYSSEY[®] CONNECT

BATTERY MONITORING SYSTEM

See battery status on any smart device

Not knowing a battery's true condition can lead to trouble. But with the ODYSSEY[®] Connect battery monitoring system, you'll be travelling with the market's first "smart" AGM battery, so you can monitor battery health issues long before they spoil the trip.

Featuring patented* technology, the ODYSSEY Connect battery monitoring system monitors battery State of Charge (SOC), State of Health (SOH), voltage and temperature. Users can view warnings and safety notifications via Bluetooth[®] on their Apple[®] or Android[™] smart device, and can also review battery trends to spot performance anomalies.



Download the
ODYSSEY Connect App
and see demonstration videos

Check battery health and history anywhere, anytime

STATE OF CHARGE (SOC)

The ODYSSEY[®] Connect system captures SOC data and highlights it in graph showing 20% increments over a six-day period.

STATE OF HEALTH (SOH)

The ODYSSEY Connect system's SOH data is viewable by the user to proactively monitor battery health highs, lows and warnings, which may require corrective actions.

VOLTAGE AND TEMPERATURE

The ODYSSEY Connect system highlights the previous six days of battery voltage and temperature data in a combined graph.

BATTERY HISTORY

From the first day of battery operation, the ODYSSEY Connect system captures and analyzes battery operating parameter history.



*For more information on patents, visit eu.odysseybattery.com/patents

Power to WORK

The right batteries for the toughest jobs

Heavy Duty/Professional Vehicles

When you're delivering goods, people or emergency services, virtually maintenance- and worry-free batteries are a must. Field tested in OE vehicles for millions of work hours, ODYSSEY® batteries have the power to get the job done.



Heavy Duty and Professional

Rated Operating Temperature – ODX batteries: -40°C to 80°C; ODP batteries: -40°C to 60°C
All values shown are nominal unless otherwise noted.

NEW PART NUMBER (Old Part Number)	PHCA** 5 sec [A]	CCA+ [A]	20 HR Rate [Ah]	Reserve Capacity [Minutes]	Maximum Length [mm]	Maximum Width [mm]	Maximum Total Height [mm]	Maximum Container Height [mm]	Weight [kg]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	12 volt Drawing (Battery Reference Table ⁴)
ODX-AGM34 ⁽³⁾ (34-PC1500)	1500	850	68	135	276	172	202	184	22.5	SAE	N/A		B
ODX-AGM34R ⁽³⁾ (34R-PC1500)	1500	850	68	135	276	172	202	184	22.5	SAE	N/A		A
ODX-AGM34 78 ⁽¹⁾⁽³⁾ (34/78-PC1500)	1500	850	68	135	276	180	200	184	22.5	SAE & Side	60 (6.8) side terminal only		C
ODX-AGM78 ⁽³⁾ (78-PC1500)	1500	850	68	135	276	180	186	186	22.5	Side	60 (6.8)		D
ODP-AGM48 H6 L3 (48-720)	1250	760	70	140	277	174	189	191	22.0	SAE	N/A		A
ODX-AGM65 ⁽³⁾ (65-PC1750)	1750	950	74	145	301	183	190	173	24.5	SAE	N/A		B
ODX-AGM24 ⁽³⁾	1500	840	76	160	276	172	222	207	26.0	SAE	N/A		B
ODP-AGM94R H7 L4 (94R-850)	1500	840	80	155	315	174	189	191	25.0	SAE	N/A		A
ODX-AGM27	1750	930	92	195	317	172	224	207	31.0	SAE	N/A		B
ODP-AGM49 H8 L5 (49-950)	1700	950	95	190	353	174	189	191	29.0	SAE	N/A		A
ODP-AGM31 ⁽¹⁾⁽³⁾ (31-925S)	1750	925	100	200	330	172	243	220	31.5	3/8-16" Stud	200 (22.6)		B
ODP-AGM31A ⁽³⁾ (31-925T)	1750	925	100	200	330	172	240	220	31.5	SAE	N/A		B
ODX-AGM31 ⁽¹⁾⁽³⁾ (31-PC2150S)	2150	1150	103	205	330	173	241	216	35.3	3/8-16" Stud	200 (22.6) studs only	X	F
ODX-AGM31A ⁽¹⁾⁽³⁾ (31-PC2150T)	2150	1150	103	205	330	173	246	216	35.5	SAE	N/A		G
ODX-AGM31R ⁽¹⁾⁽³⁾ (31R-PC2150S)	2150	1150	103	205	330	173	241	218	35.3	3/8-16" Stud	200 (22.6)		F
ODP-AGMDINB (629-DIN B-1300)	2400	1300	170	370	518	223	218	208	53.2	SAE	N/A		I
ODP-AGMDINC	2300	1250	215	450	517	275	241	241	64.7	SAE	N/A	X	I

*Cold Start Performance S.A.E J537 Apr 2016
**Pulse Current
¹ Metal jacket available, increases all nominal dimensions
² SAE terminal adapter available

³ Hold down kit available⁴¹
⁴ See "Terminal Positions" on page 15
[†] Side terminal receptical (add 8mm to container width)

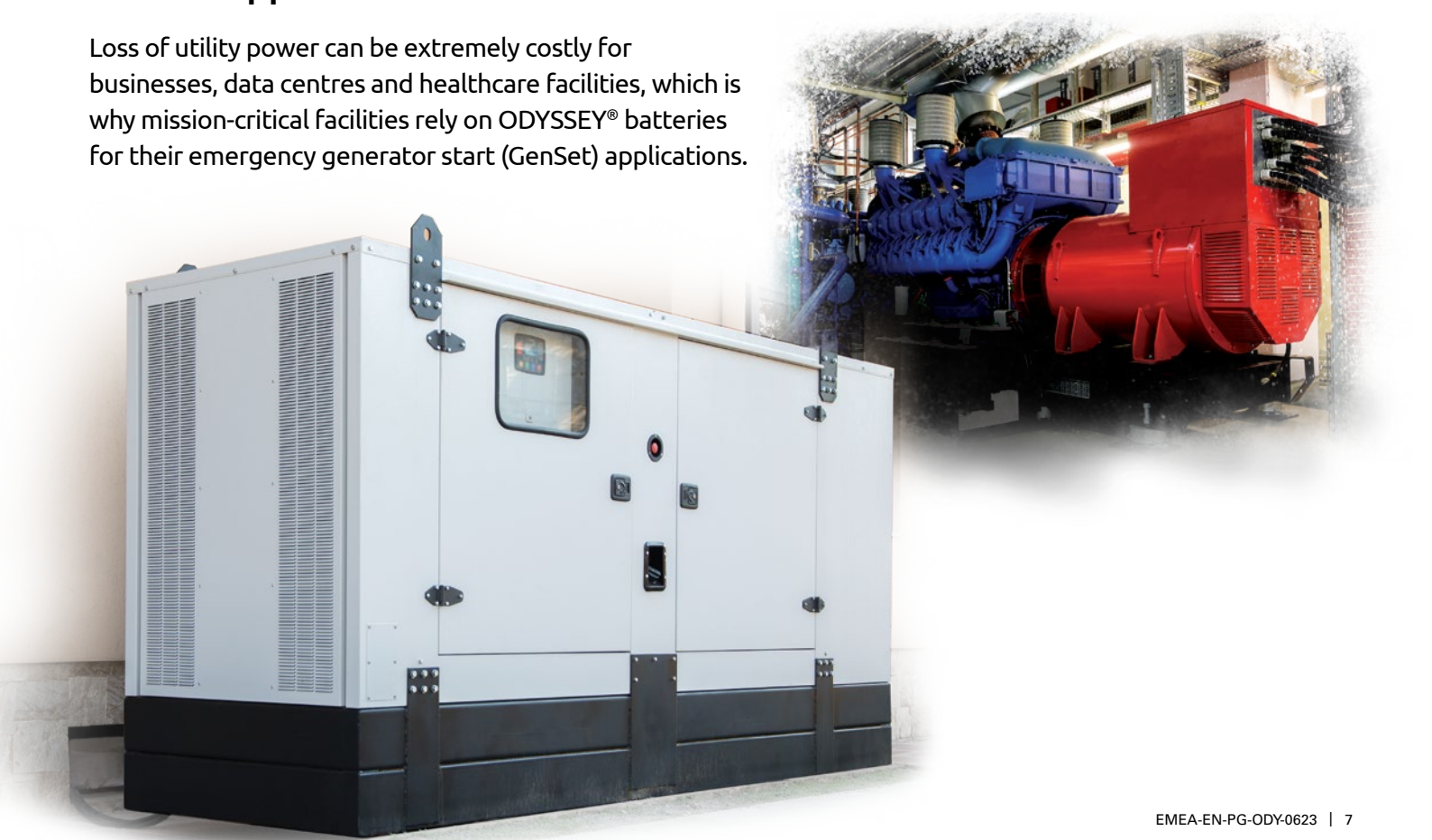
Construction/Agriculture

Contractors and farmers both face harsh outdoor conditions and unforgiving job schedules. Premium ODYSSEY® batteries will deliver reliable starting and reserve power, on-site or in the fields.

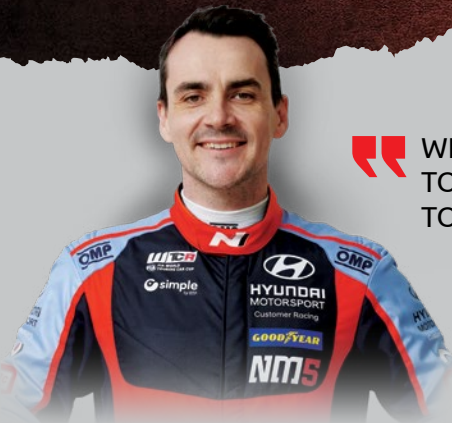


GenSet Applications

Loss of utility power can be extremely costly for businesses, data centres and healthcare facilities, which is why mission-critical facilities rely on ODYSSEY® batteries for their emergency generator start (GenSet) applications.



Power to WIN



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

Hyundai® Motorsport Customer Racing
WTCR driver Norbert Michelisz

Direct OEM replacements available

Three ODYSSEY® battery models are available as OEM replacements for motorcycle, all-terrain vehicle (ATV), utility terrain vehicle (UTV) and watercraft applications. Like all ODYSSEY® batteries, their non-spillable AGM design handles extreme shock and vibration, while their sealed, TPPL technology delivers virtually maintenance-free performance.



The motorsports batteries used by the best
to be the best



2X+3X
POWER | THE LIFE
OF
CONVENTIONAL BATTERIES

Motorsports and Motorbikes

Rated Operating Temperature -40°C to 50°C Metal Jacket (MJ) Option increases rated operating temperature to 80°C
All values shown are nominal unless otherwise noted.

NEW PART NUMBER (Old Part Number)	PHCA** 5 sec [A]	CCA* [A]	20 HR Rate [Ah]	Reserve Capacity [Minutes]	Maximum Length [mm]	Maximum Width [mm]	Maximum Total Height [mm]	Maximum Container Height [mm]	Weight [kg]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	Drawing (Battery Reference Table*)
ODS-AGM8E (PC310)	310	100	8	9	138	86	99	99	2.5	M4 Receptacle	8.9 (1.0)		G
ODS-AGM15L (PC545)	460	150	13	18	178	84	124	130	5.0	M6 Receptacle	50 (5.6)		A
ODS-AGM16B (PC535)	535	200	14	21	170	99	159	157	5.5	M6 Receptacle	40 (4.5)		B
ODS-AGM14	565	220	14	18	149	87	146	146	4.7	M6 Receptacle	50 (5.6)		B
ODS-AGM16L (1) (2) (3) (PC680)	520	170	16	24	182	77	162	168	7.0	M6 Receptacle	50 (5.6)		A
ODS-AGM16CL (PC625)	540	220	18	26	170	99	177	175	6.0	M6 Receptacle	40 (4.5)		A
ODS-AGM20L	675	275	18	24	174	87	155	155	5.9	M6 Receptacle	50 (5.6)		A
ODS-AGM28 (1) (2) (3) (PC925L)	900	330	28	48	167	176	119	126	11.0	M6 Receptacle	60 (6.8)		B
ODS-AGM28L (1) (2) (3) (PC925)	900	330	28	48	167	176	119	126	11.0	M6 Receptacle	60 (6.8)		A
ODS-AGM30L	720	400	30	50	166	125	174	174	9.2	M6 Receptacle	50 (5.6)		A
ODS-AGM30E (PC950)	950	400	34	60	250	97	156	146	9.0	M6 Stud	35 (3.9)		A
ODS-AGM42 (1) (2) (3) (PC1200L)	1200	540	42	78	198	166	192	171	17.0	M6 Receptacle	N/A		B
ODS-AGM42L (1) (2) (3) (PC1200)	1200	540	42	78	198	166	163	171	17.0	M6 Receptacle	60 (6.8)		A
ODS-AGM42LA (1) (2) (3) (PC1200T)	1200	540	42	78	198	166	163	171	17.0	M6 Receptacle	60 (6.8)		A
ODS-AGM40E (PC1100)	1100	500	45	87	250	97	206	196	12.5	M6 Stud	35 (3.9)		A
ODS-AGM70 (1) (2) (3) (PC1700)	1550	810	68	142	331	168	168	176	28.0	M6 Receptacle	60 (6.8)		A
ODS-AGM70A (PC1700T)	1550	810	68	142	331	168	177	175	27.6	SAE	N/A		A

*Cold Start Performance S.A.E J537 Apr 2016

**Pulse Current

¹ Metal jacket available, increases all nominal dimensions

² SAE terminal adapter available

³ Hold down kit available^{H1}

⁴ See "Terminal Positions" on page 15

Power to DRIVE

More power to stay on the road longer

Automotive



Today’s autos, sport utility vehicles (SUVs), trucks and light commercial vehicles are loaded with more electronics than ever before. But ODYSSEY® batteries can handle it and still deliver big starting power, plus three times the life of conventional batteries.

Van/Light Commercial Vehicle

ODYSSEY® batteries can help Van/Light Commercial vehicle operators face extreme conditions and workloads. By combining super-high-grade materials, refined Electro-Chemistry and the latest TPPL manufacturing technology, ODYSSEY® batteries can handle temperatures from -40°C to 60°C.

Aux/EV

For vehicles with extreme auxiliary or plug-in power demands, ODYSSEY® batteries are available for auxiliary power applications.



Automotive, Light Commercial Vehicle and Aux/EV

Rated Operating Temperature -40°C to 60°C

All values shown are nominal unless otherwise noted.

NEW PART NUMBER (Old Part Number)	PHCA** 5 sec [A]	CCA* [A]	20 HR Rate [Ah]	Reserve Capacity [Minutes]	Maximum Length [mm]	Maximum Width [mm]	Maximum Total Height [mm]	Maximum Container Height [mm]	Weight [kg]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	Drawing (Battery Reference Table¹)
ODS-AGM8E (PC310)	310	100	8	9	138	86	99	99	2.5	M4 Receptacle	8.9 (1.0)		G
ODS-AGM14	565	220	14	18	149	87	146	146	4.7	M6 Receptacle	50 (5.6)		B
ODP-AGM75 86¹ (75/86-705)	1100	708	49	89	240	172¹	202	187	20.0	SAE & Side¹	60 (6.8) side only		C
ODP-AGM96R (96R-600)	1100	600	52	90	242	175	174	176	18.0	SAE	N/A		A
ODP-AGM25	1200	765	59	117	241	175	219	202	21.0	SAE	N/A		B
ODP-AGM35 (35-675)	1200	765	59	117	241	175	219	202	21.0	SAE	N/A		A
ODP-AGM34³ (34-790)	1500	792	61	124	276	172	199	187	21.0	SAE	N/A		B
ODP-AGM34R³ (34R-790)	1500	792	61	124	275	172	199	187	21.0	SAE	N/A		A
ODP-AGM78¹ (78-790)	1500	792	61	124	275	172	187	187	21.0	Side¹	60 (6.8)		D
ODP-AGM24 (24-725)	1300	755	63	155	276	172	224	207	23.0	SAE	N/A		B
ODP-AGM24F (24F-725)	1300	755	63	155	277	172	224	207	23.0	SAE	N/A		A
ODP-AGM47 H5 L2 (47-650 (LN2-H5)	1150	650	64	105	242	175	189	190	19.0	SAE	N/A		A
ODP-AGM65¹¹³ (65-760)	1500	762	64	129	301	183	192	172	23.0	SAE	N/A		B
ODP-AGM48 H6 L3 (48-720)	1250	760	70	140	277	174	189	191	22.0	SAE	N/A		A
ODP-AGM94R H7 L4 (94R-850)	1500	840	80	155	315	174	189	191	25.0	SAE	N/A		A
ODP-AGM27 (ELT-AGM27)	1500	850	85	182	317	172	224	207	27.0	SAE	N/A		B
ODP-AGM27F (ELT-AGM27F)	1500	850	85	182	317	172	224	207	27.0	SAE	N/A		A
ODP-AGM49 H8 L5 (49-950)	1700	950	95	190	353	174	189	191	29.0	SAE	N/A		A

*Cold Start Performance S.A.E J537 Apr 2016

**Pulse Current

¹ Metal jacket available, increases all nominal dimensions

³ Hold down kit available¹¹

⁴ See "Terminal Positions" on page 15

† Side terminal receptical (add 8mm to container width)

Power to ENJOY

Marine

Conditions at sea can change in minutes, which makes premium ODYSSEY® batteries essential. Whether for starting, services or emergency, you can rely on the dual-purpose, deep cycle power of these batteries.



Worry-free batteries built for peace of mind

Recreational Vehicles

When you're out in the wilderness, having batteries you can trust is essential. Ready for dual-purpose RV demands, ODYSSEY® batteries will be there to start your engine, your coffee machine, or whatever the day requires.



2-year shelf life

Whether you're heading back onto the water or into the woods, you want a battery that's ready to go when you are, even after sitting idle for a long time. ODYSSEY® batteries have an exceptional shelf life – up to two years stored at 25°C, and even longer at cooler temperatures.

Marine and Leisure – ODYSSEY® Extreme Batteries

Rated Operating Temperature -40°C to 80°C (ODS Batteries Rated Operating temperature -40°C to 50°C)
All values shown are nominal unless otherwise noted.

12 volt													
NEW PART NUMBER (Old Part Number)	PHCA** 5 sec [A]	MCA* [A]	20 HR Rate [Ah]	Reserve Capacity [Minutes]	Maximum Length [mm]	Maximum Width [mm]	Maximum Total Height [mm]	Maximum Container Height [mm]	Weight [kg]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	Drawing (Battery Reference Table ⁴)
ODX-AGM34M (34M-PC1500)	1500	1050	65	134	277	172	199	182	23.0	M	200 (22.6)/100 (11.3) studs only		E
ODX-AGM65M (NSB-AGM65M)	1750	1070	69	135	300	186	193	173	25.0	M	200 (22.6)/100 (11.3) studs only		E
ODX-AGM24M (NSB-AGM24M)	1500	1000	76	160	277	172	224	207	26.0	M	200 (22.6)/100 (11.3) studs only		E
ODX-AGM27M (NSB-AGM27M)	1750	1080	92	195	317	172	224	207	31.0	M	200 (22.6)/100 (11.3) studs only		E
ODX-AGM31M (31M-PC2150)	2150	1370	103	220	330	172	252	226	34.0	M	200 (22.6)/100 (11.3) studs only		E
ODX-AGM6M (PC2250)	2250	1550	126	240	286	269	233	208	39.0	SAE and 3/8-16" Stud	100 (11.0) stud only		H
ODS-AGM470FTT (PC1800-FT)	1800	1450	214	475	581	125	317	317	60.0	3/8-16" Stud	80 (9.0)		J

*Cold Start Performance S.A.E J537 Apr 2016
**Pulse Current
⁴ See "Terminal Positions" on page 15
† Side terminal receptical (add 5/16" (8mm) to container width)

Marine and Leisure – ODYSSEY® Performance Batteries

Rated Operating Temperature -40°C to 60°C
All values shown are nominal unless otherwise noted.

12 volt													
NEW PART NUMBER (Old Part Number)	PHCA** 5 sec [A]	MCA* [A]	20 HR Rate [Ah]	Reserve Capacity [Minutes]	Maximum Length [mm]	Maximum Width [mm]	Maximum Total Height [mm]	Maximum Container Height [mm]	Weight [kg]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	Drawing (Battery Reference Table ⁴)
ODP-AGM34M (34M-790)	1500	1000	62	125	275	172	201	187	21.5	M	200 (22.6)/100 (11.3) studs only		E
ODP-AGM31M (31M-925)	1750	1150	92	190	330	173	240	220	29.0	M	200 (22.6)/100 (11.3) studs only		E
ODP-AGMDINB (629-DIN B-1300)	2400	1300	170	370	518	223	218	208	53.0	SAE	N/A		I
ODP-AGMDINC	2300	1250	215	450	517	275	241	241	64.7	SAE	N/A	X	I

ODYSSEY® Battery Accessories



METAL JACKETS

Designed to counteract the expansion that occurs when ODYSSEY® batteries are exposed to high temperatures (up to 80°C), these metal jackets keep the batteries compressed and performing optimally. Metal jackets also provide added protection from rocks and debris, especially for batteries mounted in frames with an exposed base.

Available for these ODYSSEY® battery models:

PC545/ODS-AGM15LMJ, PC680/ODS-AGM16LMJ, PC925/ODS-AGM28LMJA, 31-PC2150S/ODX-AGM31MJ, PC1200/ODS-AGM42LMJ, PC1700/ODS-AGM70MJ

HOLD DOWN KITS

Featuring a polished aluminium finish, these custom-made hold down kits are ideal when an application requires additional batteries to be mounted.

Available for these ODYSSEY® battery models:

PC680/ODS-AGM16L, PC925L/ODS-AGM28, PC925/ODS-AGM28L, PC1200L/ODS-AGM42, PC1200/ODS-AGM42L, PC1200T/ODS-AGM42LA, PC1700/ODS-AGM70, PC1700T/ODS-AGM70A

31-925S/ODP-AGM31, 31-925T/ODP-AGM31A, 31M-925/ODP-AGM31M, 34-790/ODP-AGM34, 34R-790/ODP-AGM34R, 78-790/ODP-AGM78, 34M-790/ODP-AGM34M, 65-760/ODP-AGM65

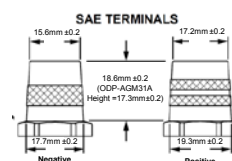
31-PC2150S/ODX-AGM31, 31-PC2150T/ODX-AGM31A, 31R-PC2150S/ODX-AGM31R, 34-PC1500S/ODX-AGM34, 34R-PC1500T/ODX-AGM34A, 34R-PC1500/ODX-AGM34R, 34M-PC1500/ODX-AGM34M, 78-PC1500/ODX-AGM34 78, 78-PC1500/ODX-AGM78, 65-PC1750/ODX-AGM65.

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

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:



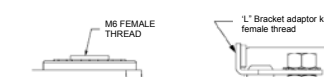
STUD POSTS

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



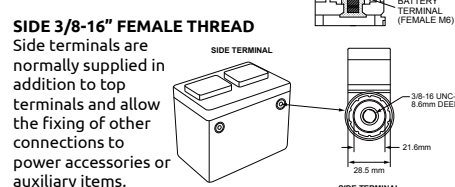
M6 AND M4 FEMALE THREAD

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.



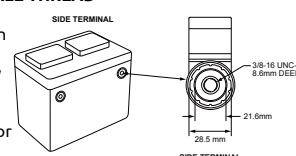
SAE 3/8-16" FEMALE THREAD

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.



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



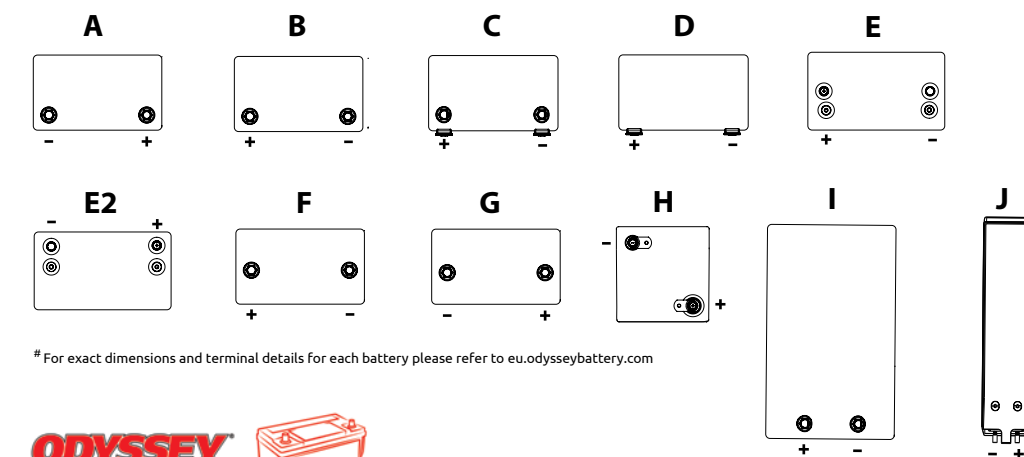
SAE Terminal Kit – 6mm (3217-0073)

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



TERMINAL POSITIONS

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



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



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