

ODYSSEY[®] BATTERY

A NEW GENERATION OF BATTERY



AGM²
NON-SPILLABLE TPPL DESIGN

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

ODYSSEY[®]
CONNECT 
BATTERY MONITORING SYSTEM

www.odysseybattery.com



Welcome to AGM² TPPL

A new generation of battery for modern power demands

ODYSSEY® AGM² Thin Plate Pure Lead (TPPL) batteries feature 99% 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 Absorbed Glass Mat (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.

MASSIVE STARTING POWER

Engine cranking pulses up to 2700 amps for 5 seconds.

EXTENDED CYCLE LIFE

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

EXTREME TEMPERATURE TOLERANCE

-40°F (-40°C) to 140°F (60°C) for models without a metal jacket, and from -40°F (-40°C) to 176°F (80°C) for models with a metal jacket.

LONGER LIFE

3- to 10-year service life compared to conventional lead acid batteries.

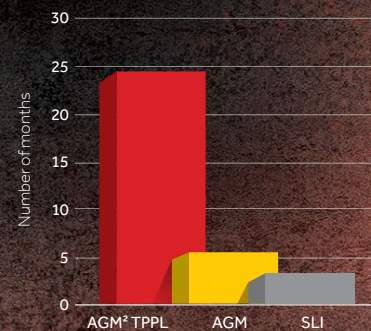
VIBRATION RESISTANT

Protection from high-impact shocks and vibration.

MAINTENANCE-FREE

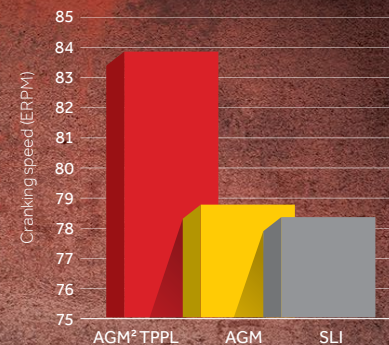
Sealed ODYSSEY® AGM² TPPL batteries never need water.

More Life



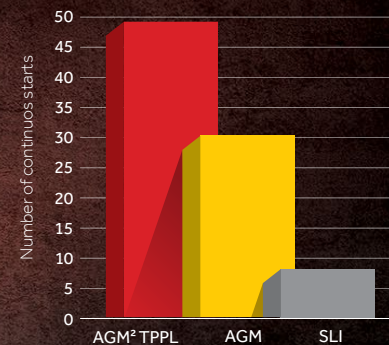
ODYSSEY AGM² TPPL batteries have the industry's lowest self-discharge rate, so they hold their charge longer than competitive batteries.

More Power



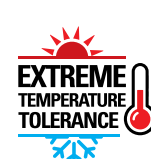
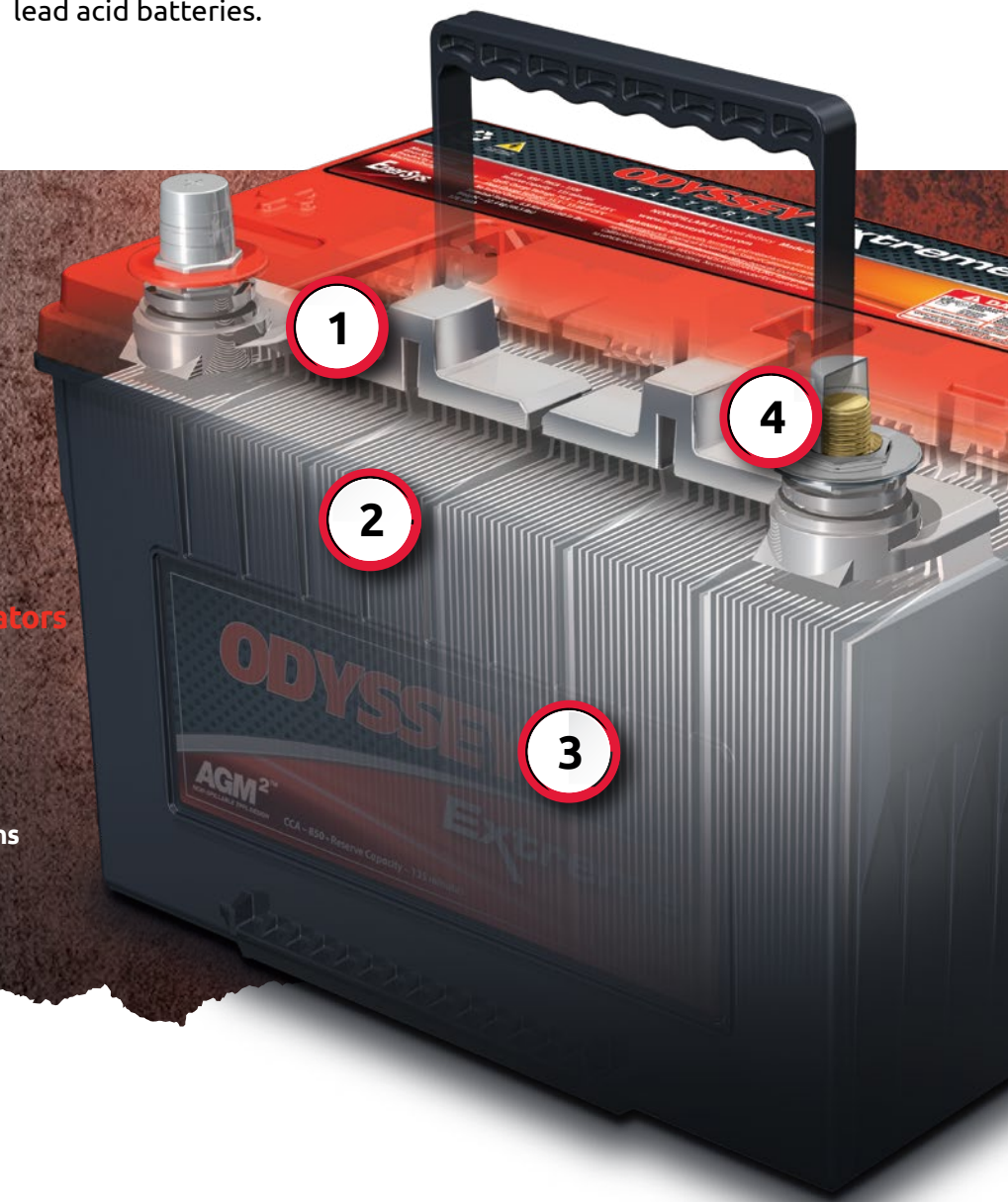
ODYSSEY AGM² TPPL batteries have starting power you can rely on, providing up to twice the power of conventional batteries.

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)



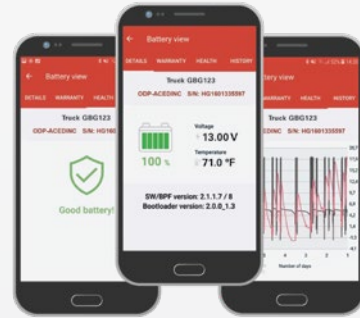
The right battery for a range of applications

ODYSSEY® Performance and ODYSSEY Extreme batteries can handle a range of applications and performance demands. Wherever the daily grind takes you, ODYSSEY batteries have the power and endurance to keep you moving.



See battery status on any smart device

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.



(ODYSSEY Connect battery monitoring system currently only available on the ODX-AGM31.)



Scan to download the ODYSSEY Connect App and watch demonstration videos

Optimize battery performance and life

ODYSSEY® battery chargers efficiently charge ODYSSEY batteries and other 12-volt AGM, flooded lead acid batteries and 12-volt lithium batteries (LiFePO4, Li-Fe, Li-iron, LFP). Offering performance, quality and speed in a rugged casing, ODYSSEY® battery chargers are available in 5 amp, 15 amp and 25 amp models.



See battery charging mode and status at a glance.



Extremely portable and impact resistant.



DC charging clamps are fast and easy to connect.

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

ODYSSEY® Extreme Batteries

Rated Operating Temperature -40°F (-40°C) to 176°F (80°C) All values shown are nominal unless otherwise noted.

12 volt

NEW PART NUMBER (Old Part Number)	PHCA** 5 sec [A]	CCA* [A]	20 HR Rate [Ah]	Reserve Capacity [Minutes]	Maximum Length [in (mm)]	Maximum Width [in (mm)]	Maximum Total Height [in (mm)]	Maximum Container Height [in (mm)]	Weight [lb (kg)]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	Drawing (Battery Reference Table)
ODX-AGM24 ⁽³⁾ (NSB-AGM24)	1500	840	76	160	10.9 (276)	6.8 (172)	8.8 (222)	8.2 (207)	57 (26.0)	SAE	N/A		B
ODX-AGM24F (NSB-AGM24F)	1500	840	76	160	10.9 (276)	6.8 (172)	8.8 (222)	8.2 (207)	57 (26.0)	SAE	N/A		A
ODX-AGM27 (NSB-AGM27)	1750	930	92	195	12.5 (317)	6.8 (172)	8.8 (224)	8.2 (207)	68 (31.0)	SAE	N/A		B
ODX-AGM27F (NSB-AGM27F)	1750	930	92	195	12.5 (317)	6.8 (172)	8.8 (224)	8.2 (207)	68 (31.0)	SAE	N/A		A
ODX-AGM31 ⁽¹⁾⁽²⁾⁽³⁾ (31-PC2150S)	2150	1150	103	220	13.0 (330)	6.8 (173)	9.5 (241)	8.5 (216)	78 (35.5)	3/8-16" Stud	200 (22.6) studs only	ODX-ACE31	F
ODX-AGM31A ⁽¹⁾⁽³⁾ (31-PC2150T)	2150	1150	103	220	13.0 (330)	6.8 (173)	9.7 (246)	8.5 (216)	78 (35.5)	SAE	N/A		G
ODX-AGM31R ⁽¹⁾⁽³⁾ (31R-PC2150S)	2150	1150	103	220	13.0 (330)	6.8 (173)	9.5 (241)	8.6 (218)	78 (35.5)	3/8-16" Stud	200 (22.6)		F
ODX-AGM34 ⁽³⁾ (34-PC1500)	1500	850	68	135	10.9 (276)	6.8 (172)	7.9 (202)	7.3 (184)	50 (22.5)	SAE	N/A		B
ODX-AGM34R ⁽³⁾ (34R-PC1500)	1500	850	68	135	10.9 (276)	6.8 (172)	7.9 (202)	7.3 (184)	50 (22.5)	SAE	N/A		A
ODX-AGM34 78 ⁽¹⁾⁽³⁾ (34/78-PC1500)	1500	850	68	135	10.9 (276)	6.8 (172)*	7.9 (200)	7.3 (184)	50 (22.5)	SAE & Side	60 (6.8) side terminal only		C
ODX-AGM65 ⁽³⁾ (65-PC1750)	1750	950	74	145	11.8 (301)	7.2 (183)	7.5 (190)	6.8 (173)	54 (24.5)	SAE	N/A		B
ODX-AGM78 (78-PC1500)	1500	850	68	135	10.9 (276)	6.8 (172)*	7.3 (186)	7.3 (186)	50 (22.0)	Side	60 (6.8)		D

ODYSSEY® Extreme Batteries – Marine and RV Applications

Rated Operating Temperature -40°F (-40°C) to 176°F (80°C) (ODS Batteries Rated Operating temperature -40°F (-40°C) to 104°F (40°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 [in (mm)]	Maximum Width [in (mm)]	Maximum Total Height [in (mm)]	Maximum Container Height [in (mm)]	Weight [lb (kg)]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	Drawing (Battery Reference Table)
ODX-AGM24M (NSB-AGM24M)	1500	1000	76	160	10.9 (277)	6.8 (172)	8.8 (224)	8.2 (207)	57 (26.0)	M	200 (22.6)/100 (11.3) studs only		E
ODX-AGM27M (NSB-AGM27M)	1750	1080	92	195	12.5 (317)	6.8 (172)	8.8 (224)	8.2 (207)	68 (31.0)	M	200 (22.6)/100 (11.3) studs only		E
ODX-AGM31M (NSB-AGM31M)	2150	1370	103	220	13.0 (330)	6.8 (172)	9.9 (252)	8.9 (226)	78 (34.0)	M	200 (22.6)/100 (11.3) studs only		E
ODX-AGM34M (NSB-AGM34M)	1500	1050	65	134	10.9 (277)	6.8 (172)	7.8 (199)	7.2 (182)	51 (23.0)	M	200 (22.6)/100 (11.3) studs only		E
ODX-AGM8DK (SMS-AGM8DK)	3125	2700	228	500	20.5 (521)	11.1 (283)	9.5 (242)	9.3 (237)	187 (85.0)	SAE	N/A		I
ODX-AGM8DKDT (SMS-AGM8DK-DT)	3125	2700	228	500	20.5 (521)	11.1 (283)	9.6 (243)	9.3 (237)	187 (85.0)	SAE and Front Stud	N/A		I
ODX-AGM8DKT (SMS-AGM8DK-S)	3125	2700	228	500	20.5 (521)	11.1 (283)	9.6 (243)	9.3 (237)	187 (85.0)	3/8-16" Stud	N/A		I
ODS-AGM066FTT ⁴	820	630	39	66	11.9 (302)	3.8 (97)	7.2 (184)	7.2 (184)	28.2 (13.0)	M6 Stud	60 (6.8)		J
ODS-AGM225FTT ⁴	1125	875	114	225	15.6 (396)	4.3 (108)	11.3 (287)	11.3 (287)	71.9 (32.5)	M6 Stud	60 (6.8)		J
ODS-AGM390FTT ⁴	1675	1400	182	390	22.1 (561)	4.9 (125)	12.5 (316)	12.5 (316)	128 (58.0)	M6 Stud	60 (6.8)		J
ODS-AGM470FTT ⁴	1800	1450	214	475	22.9 (582)	4.9 (124)	12.5 (318)	12.5 (318)	132 (60.0)	3/8-16" Stud	80 (9.0)		J

*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

⁴ This model is not intended to be operated on its side

† Side terminal receptical (add 5/16" (8mm) to container width)

Visit www.odysseybattery.com for additional product specifications.

ODYSSEY® Performance Batteries

Rated Operating Temperature -40°F (-40°C) to 140°F (60°C) All values shown are nominal unless otherwise noted.

12 volt

NEW PART NUMBER (Old Part Number)	PHCA** 5 sec [A]	CCA* [A]	20 HR Rate [Ah]	Reserve Capacity [Minutes]	Maximum Length [in (mm)]	Maximum Width [in (mm)]	Maximum Total Height [in (mm)]	Maximum Container Height [in (mm)]	Weight [lb (kg)]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	Drawing (Battery Reference Table)
ODP-AGM24 (24-725)	1300	755	63	155	10.9 (276)	6.8 (172)	8.8 (224)	8.2 (207)	51 (23.0)	SAE	N/A		B
ODP-AGM24F (24F-725)	1300	755	63	155	10.9 (277)	6.8 (172)	8.8 (224)	8.2 (207)	51 (23.0)	SAE	N/A		A
ODP-AGM25	1200	765	59	117	9.5 (241)	6.9 (175)	8.8 (224)	8.1 (206)	50 (23.0)	SAE	N/A		B
ODP-AGM27 (ELT-AGM27)	1500	850	85	182	12.5 (317)	6.8 (172)	8.8 (224)	8.2 (207)	60 (27.0)	SAE	N/A		B
ODP-AGM27F (ELT-AGM27F)	1500	850	85	182	12.5 (317)	6.8 (172)	8.8 (224)	8.2 (207)	60 (27.0)	SAE	N/A		A
ODP-AGM31 ⁽¹⁾⁽³⁾ (31-925S)	1750	925	100	200	13.0 (330)	6.8 (173)	9.6 (243)	8.6 (220)	70 (32.0)	3/8-16" Stud	200 (22.6)		F
ODP-AGM31A ⁽³⁾ (31-925T)	1750	925	100	200	13.0 (330)	6.8 (173)	9.4 (240)	8.6 (220)	70 (32.0)	SAE	N/A		F
ODP-AGM34 ⁽³⁾ (34-790)	1500	792	61	124	10.8 (276)	6.8 (172)	7.9 (199)	7.4 (187)	47 (21.0)	SAE	N/A		B
ODP-AGM34R ⁽³⁾ (34R-790)	1500	792	61	124	10.8 (275)	6.8 (172)	7.9 (199)	7.4 (187)	47 (21.0)	SAE	N/A		A
ODP-AGM35 (35-675)	1200	765	59	117	9.5 (241)	6.9 (175)	8.8 (224)	8.1 (206)	50 (23.0)	SAE	N/A		A
ODP-AGM47 H5 L2 (47-650 (LN2-H5))	1150	650	64	105	9.5 (242)	6.9 (175)	7.4 (189)	7.5 (190)	42 (19.0)	SAE	N/A		A
ODP-AGM48 H6 L3 (48-720)	1250	760	69	130	10.9 (277)	6.9 (174)	7.4 (189)	7.5 (191)	48 (22.0)	SAE	N/A		A
ODP-AGM49 H8 L5 (49-950)	1700	950	94	180	13.9 (353)	6.9 (174)	7.4 (189)	7.5 (191)	63 (29.0)	SAE	N/A		A
ODP-AGM65 ⁽¹⁾⁽³⁾ (65-760)	1500	762	64	129	11.8 (301)	7.2 (183)	7.6 (192)	6.8 (172)	50 (23.0)	SAE	N/A		B
ODP-AGM75 86 [†] (75/86-705)	1100	708	49	89	9.5 (240)	6.8 (172) [†]	7.9 (202)	7.4 (187)	43 (20.0)	SAE & Side [†]	60 (6.8) side only		C
ODP-AGM78 [†] (78-790)	1500	792	61	124	10.8 (275)	6.8 (172)	7.4 (187)	7.4 (187)	47 (21.0)	Side [†]	60 (6.8)		D
ODP-AGM94R H7 L4 (94R-850)	1500	840	80	155	12.4 (315)	6.9 (174)	7.4 (189)	7.5 (191)	55 (25.0)	SAE	N/A		A
ODP-AGM96R (96R-600)	1100	600	52	90	9.5 (242)	6.9 (175)	6.8 (174)	6.9 (176)	40 (18.0)	SAE	N/A		A
ODP-AGM4D (4D-1300)	2400	1300	170	370	20.4 (518)	8.8 (223)	8.6 (218)	8.3 (208)	117 (53.0)	SAE	N/A		I
ODP-AGM8D (NSB-AGM8D)	2700	1450	220	500	20.4 (517)	10.8 (275)	9.5 (242)	8.5 (215)	152 (69.0)	SAE	N/A		I
ODP-AGM8DT (NSB-AGM8DS)	2700	1450	220	500	20.4 (517)	10.8 (275)	9.5 (242)	8.5 (215)	152 (69.0)	Stud	200 (22.6)		I

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

**Pulse Current

[†] Metal jacket available, increases all nominal dimensions

² SAE terminal adapter available

³ Hold down kit available

[†] Side terminal receptical (add 5/16" (8mm) to container width)

ODYSSEY® Battery Accessories

Protect and optimize your ODYSSEY® batteries with these custom-made accessories. Brushed aluminum hold down kits keep batteries in place and are ideal for mounting additional batteries. Metal jackets counteract expansion due to exposure to high temperatures – up to 176°F (80°C) – and keep batteries compressed. Terminal adapter kits are available for a range of applications.



Visit www.odysseybattery.com for more details

ODYSSEY® Performance Batteries – Marine and RV Applications

Rated Operating Temperature -40°F (-40°C) to 140°F (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 [in (mm)]	Maximum Width [in (mm)]	Maximum Total Height [in (mm)]	Maximum Container Height [in (mm)]	Weight [lb (kg)]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	Drawing (Battery Reference Table)
ODS-AGM6M (PC2250)	2250	1550	126	240	11.3 (286)	10.6 (269)	9.2 (233)	8.2 (208)	86 (39.0)	SAE and 3/8-16" Stud	100 (11.0) stud only		H
ODP-AGM24M (ELT-AGM24M)	1300	825	63	155	10.9 (277)	6.8 (172)	8.8 (224)	8.2 (207)	51 (23.0)	M	200 (22.6)/100 (11.3) studs only		E
ODP-AGM27M (ELT-AGM27M)	1500	975	85	182	12.5 (317)	6.8 (172)	8.8 (224)	8.2 (207)	60 (27.0)	M	200 (22.6)/100 (11.3) studs only		E
ODP-AGM31M (ELT-AGM31)	1750	1150	87	190	12.9 (328)	6.8 (173)	10.0 (253)	8.9 (226)	69.5 (31.5)	M	200 (22.6)/100 (11.3) studs only		E
ODP-AGM34M (ELT-AGM34M)	1300	810	60	120	10.9 (275)	6.8 (172)	7.8 (201)	7.2 (187)	47 (21.5)	M	200 (22.6)/100 (11.3) studs only		E

ODYSSEY® Powersports Batteries

Rated Operating Temperature -40°F (-40°C) to 113°F (45°C) Metal Jacket (MJ) Option increases rated operating temperature to 176°F (80°C)

All values shown are nominal unless otherwise noted.

12 volt

NEW PART NUMBER (Old Part Number)	PHCA** 5 sec [A]	CCA* [A]	20 HR Rate [Ah]	Reserve Capacity [Minutes]	Maximum Length [in (mm)]	Maximum Width [in (mm)]	Maximum Total Height [in (mm)]	Maximum Container Height [in (mm)]	Weight [lb (kg)]	Terminal	Maximum Torque [in-lb (Nm)]	Available with ODYSSEY® Connect System	Drawing (Battery Reference Table)
ODS-AGM8E (PC310)	310	100	8	9	5.4 (138)	3.4 (86)	3.9 (99)	3.9 (99)	6 (2.5)	M4 Receptacle	8.9 (1.0)		G
ODS-AGM14	565	220	14	18	5.9 (149)	3.4 (87)	5.7 (146)	5.7 (146)	10 (4.5)	M6 Receptacle	50 (5.6)		B
ODS-AGM15L (PC545)	460	150	13	18	6.9 (178)	3.3 (84)	4.9 (124)	5.1 (130)	11 (5.0)	M6 Receptacle	50 (5.6)		A
ODS-AGM16L ⁽¹⁾⁽²⁾⁽³⁾ (PC680)	520	170	16	24	7.2 (182)	3.0 (77)	6.4 (162)	6.6 (168)	15 (7.0)	M6 Receptacle	50 (5.6)		A
ODS-AGM16CL (PC625)	540	220	18	26	6.7 (170)	3.9 (99)	7.0 (177)	6.9 (175)	13 (6.0)	M6 Receptacle	40 (4.5)		A
ODS-AGM20L	675	275	18	24	6.9 (175)	3.4 (86)	6.1 (155)	6.1 (155)	13 (5.9)	M6 Receptacle	50 (5.6)		A
ODS-AGM28L ⁽¹⁾⁽²⁾⁽³⁾ (PC925)	900	330	28	48	6.6 (167)	6.9 (176)	4.7 (119)	5.0 (126)	24 (11.0)	M6 Receptacle	60 (6.8)		A
ODS-AGM28 ⁽¹⁾⁽²⁾⁽³⁾ (PC925L)	900	330	28	48	6.6 (167)	6.9 (176)	4.7 (119)	5.0 (126)	24 (11.0)	M6 Receptacle	60 (6.8)		B
ODS-AGM30E (PC950)	950	400	34	60	9.8 (250)	3.8 (97)	6.1 (156)	5.8 (146)	20 (9.0)	M6 Stud	35 (3.9)		A
ODS-AGM30L	720	400	30	50	6.6 (167)	4.9 (125)	6.9 (174)	6.9 (9.2)	20 (9.0)	M6 Receptacle	50 (5.6)		A
ODS-AGM40E (PC1100)	1100	500	45	87	9.8 (250)	3.8 (97)	8.1 (206)	7.7 (196)	28 (13.0)	M6 Stud	35 (3.9)		A
ODS-AGM42LA ⁽¹⁾ (2)(3)(4) (PC1200T)	1200	540	42	78	7.8 (198)	6.5 (166)	6.4 (163)	6.7 (171)	38 (17.0)	SAE Post	60 (6.8)		A
ODS-AGM42A ⁽¹⁾⁽²⁾⁽³⁾⁽⁴⁾ (PC1200LT)	1200	540	42	78	7.8 (198)	6.5 (166)	6.4 (192)	6.7 (171)	38 (17.0)	SAE Post	N/A		B
ODS-AGM70 ⁽¹⁾⁽²⁾⁽³⁾ (PC1700)	1550	810	68	142	13.0 (331)	6.6 (168)	6.6 (168)	6.9 (176)	61 (28.0)	M6 Receptacle	60 (6.8)		A
ODS-AGM70S ⁽¹⁾⁽²⁾ (PC1700S)	1550	810	68	142	13.0 (331)	6.6 (168)	7.4 (187)	6.9 (176)	61 (28.0)	5/16-18" Stud	60 (6.8)		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

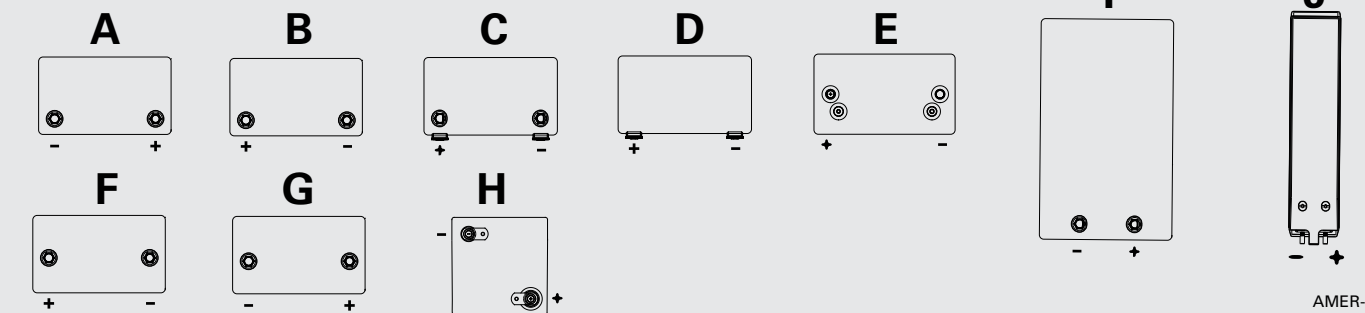
³ Hold down kit available

⁴ SAE terminals are removable for applications not needing that style terminal

Visit www.odysseybattery.com for additional product specifications.

Battery Terminal Layout Reference Table

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



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

Warrensburg, MO
Springfield, MO

Newport, Wales, UK
Arras, France



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