

SEALED LEAD ACID BATTERIES



VERSATILE.
POWERFUL.
DEPENDABLE.

batteriesplus.com



SEALED LEAD ACID (SLA)

Security systems. Back-up systems. Emergency lighting. Wheelchairs & mobility devices. All of these - and many more - use sealed lead acid (SLA) batteries, also known as valve regulated lead acid (VRLA) batteries, to power their operation. On these pages, you'll find the best general purpose, deep cycle, gel and high rate SLA batteries available. Check out our selection of top lead-based batteries and battery accessories for the charge and dependability you need to stay powered up, whatever your application.

There are two types of valve regulated lead acid (VRLA) batteries: absorbed glass-mat (AGM) and gel. General purpose, deep cycle and high-rate UPS batteries are types of AGM batteries.

POWER YOU CAN TRUST.



AGM			
General Purpose Batteries	Deep Cycle Batteries	High-Rate UPS Batteries	Gel Batteries
Most versatile Reliable for backup & cycling applications Great for household use	Long-term power Provides constant power flow for a sustained period of time	Ideal in emergency situations Fast power for backup applications Long lifespan, needs little maintenance	Long-term power Offers the greatest number of cycles Ideal for heavy, everyday use
Popular Applications	Popular Applications	Popular Applications	Popular Applications
Sump Pump Fire & Security Systems UPS Battery Backups Emergency Lighting	Wheelchair/Mobility Floor Scrubbers Marine & RV House Power Standard Trolling Motors	Telecom Data Centers UPS Battery Backups Server Banks	Heavy-use wheelchairs Communications Wind Generation Solar Power



With every SLA battery you get from us, expect a safe, spill-proof design and stringent quality control, from start to finish.

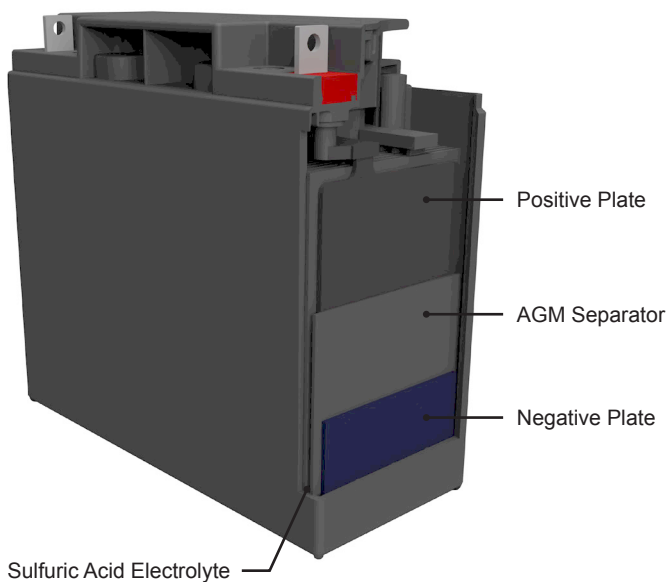
AGM vs GEL

Both AGM & Gel batteries are made from the same lead acid. However, the electrolyte is different.
Not sure which battery is best for you? Just ask.



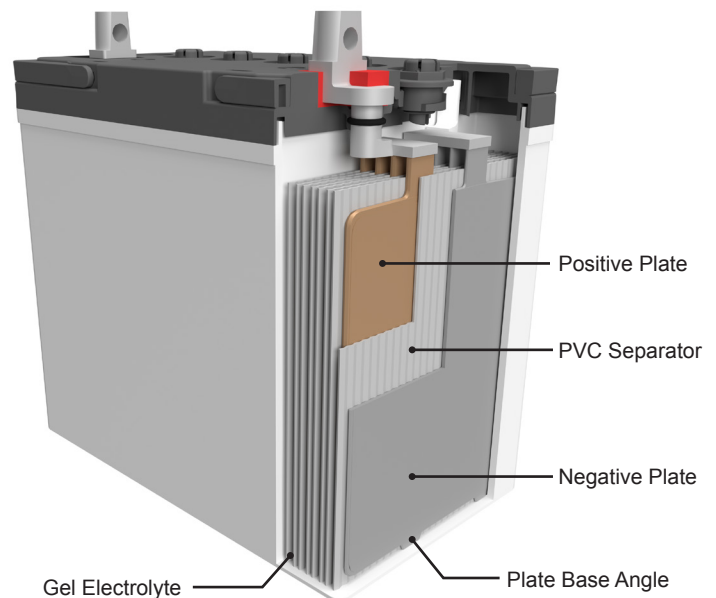
AGM

Fiberglass mat separators absorb electrolyte like sponges. AGM batteries can handle higher charge and discharge rates than gel batteries.



GEL

Electrolyte is mixed with silica-based gel. Gel is excellent for applications that need a very slow discharge and added cycle life.



SLA - GENERAL PURPOSE

Vendor Product #	Brand	Voltage	Capacity (20 Hr Test)	Terminal Type
DURA6-1.3F	Duracell Ultra	6V	1.2AH	F1
DURA6-2ST	Duracell Ultra	6V	2AH	ST
DURA6-2.9F	Duracell Ultra	6V	2.8AH	F1
DURA6-3.3F	Duracell Ultra	6V	3.2AH	F1
DURA6-5F-L	Duracell Ultra	6V	5AH	F1
DURA6-5F	Duracell Ultra	6V	5AH	F1
DURA6-5SP	Duracell Ultra	6V	4.5AH	SP
DURA6-7.2F	Duracell Ultra	6V	7.2AH	F1
DURA6-8.2F	Duracell Ultra	6V	8.5AH	F1
DURA6-10F	Duracell Ultra	6V	10AH	F1
DURA6-12F	Duracell Ultra	6V	12AH	F1
DURA6-12F2	Duracell Ultra	6V	12AH	F2
DURA6-14A	Duracell Ultra	6V	13AH	F1 (neg) F2 (pos)
DURA6-200C	Duracell Ultra	6V	200AH	C
DURA8-3.2F	Duracell Ultra	8V	3.2AH	F1
DURA12-0.8WL	Duracell Ultra	12V	0.8AH	WL
DURA12-1.3F	Duracell Ultra	12V	1.2AH	F1
DURA12-2.3F	Duracell Ultra	12V	2.3AH	F1
DURA12-2.9F	Duracell Ultra	12V	2.9AH	F1
DURA12-3.3F	Duracell Ultra	12V	3.2AH	F1
DURA12-3.3F2	Duracell Ultra	12V	3.2AH	F2
DURA12-5F	Duracell Ultra	12V	5AH	F1
DURA12-5F2	Duracell Ultra	12V	5AH	F2
DURA12-5.1A	Duracell Ultra	12V	5AH	F1 (neg) F2 (pos)
DURA12-7F	Duracell Ultra	12V	7AH	F1
DURA12-7F2	Duracell Ultra	12V	7AH	F2
DURA12-8F	Duracell Ultra	12V	8AH	F1
DURA12-8F2	Duracell Ultra	12V	8AH	F2
DURA12-9F	Duracell Ultra	12V	9AH	F1
DURA12-9F2	Duracell Ultra	12V	9AH	F2
DURA12-9NB	Duracell Ultra	12V	9AH	NB
DURA12-10F2	Duracell Ultra	12V	10AH	F2
DURA12-12F2	Duracell Ultra	12V	12AH	F2
DURA12-12NB	Duracell Ultra	12V	12AH	NB
DURA12-12F	Duracell Ultra	12V	12AH	F1
DURA12-13NB	Duracell Ultra	12V	13AH	NB
DURA12-14F2	Duracell Ultra	12V	14AH	F2
DURA12-18C/FR	Duracell Ultra	12V	18AH	C
DURA12-18F2	Duracell Ultra	12V	18AH	F2
DURA12-18NB	Duracell Ultra	12V	18AH	NB
DURA12-26NB	Duracell Ultra	12V	26AH	NB
DURA12-35C	Duracell Ultra	12V	36AH	C
DURA12-44C/FR	Duracell Ultra	12V	44AH	C
DURA12-55P	Duracell Ultra	12V	55AH	P
DURA12-55C/FR	Duracell Ultra	12V	58AH	C
DURA12-80P	Duracell Ultra	12V	80AH	P
DURA12-80C/FR	Duracell Ultra	12V	79AH	C
DURA12-100C/FR	Duracell Ultra	12V	107.6AH	C
DURA12-140C/FR	Duracell Ultra	12V	140AH	C

Length (in)	Width (in)	Height* (in)	Weight (lb)	Master Case	Pallet Qty
3.82	0.94	2.26	0.64	20	2240
1.69	1.46	2.99	0.75	20	2400
2.60	1.30	4.06	1.26	20	1420
5.28	1.36	2.64	1.43	20	1100
4.29	1.38	2.91	2.09	24	864
2.76	1.85	4.17	1.76	12	960
2.64	2.64	4.29	1.79	20	1080
5.94	1.34	3.94	2.65	10	700
3.86	2.20	4.72	3.35	10	540
5.94	2.01	3.94	3.45	10	510
5.94	1.97	3.89	4.10	10	480
5.94	1.97	3.89	4.10	10	480
4.25	2.76	5.51	4.93	8	360
12.05	6.61	8.98	62.20	1	30
5.28	1.44	2.71	1.65	10	1000
3.78	0.98	2.44	0.68	20	2400
3.82	1.69	2.28	1.26	20	1600
7.01	1.34	2.60	2.29	20	1040
3.11	2.20	4.13	2.40	10	720
5.28	2.64	2.64	2.80	10	600
5.28	2.64	2.64	2.80	10	600
3.54	2.76	4.13	3.44	10	480
3.54	2.76	4.13	3.44	10	480
5.51	1.89	4.06	3.55	10	440
5.94	2.56	3.94	4.52	8	400
5.94	2.56	3.94	4.52	8	400
5.94	2.56	3.94	5.07	8	288
5.94	2.56	3.94	5.07	8	288
5.94	2.56	3.94	5.73	8	288
5.94	2.56	3.94	5.73	8	288
5.94	2.56	4.17	5.73	8	288
5.94	2.56	4.67	7.24	8	256
5.94	3.86	3.86	8.10	4	240
5.94	3.86	4.09	8.10	4	240
5.94	3.86	3.86	8.10	4	240
5.24	3.07	6.22	9.71	4	180
5.94	3.88	3.98	8.75	4	204
7.14	3.03	6.59	11.90	2	150
7.13	3.03	6.59	11.46	2	150
7.13	3.03	6.59	11.46	2	150
6.54	6.89	4.92	17.60	1	90
7.72	5.12	6.65	23.50	1	70
7.72	6.50	6.89	28.66	1	50
9.06	5.43	9.11	36.38	1	46
9.02	5.43	8.50	38.58	1	48
10.24	6.61	9.15	50.71	1	36
10.20	6.65	8.50	50.70	1	36
12.09	6.61	8.43	64.90	1	29
13.50	6.73	11.02	100.30	1	18

*Battery height includes terminals

SLA - DEEP CYCLE

Vendor Product #	Brand	Voltage	Capacity (20 Hr Test)	Terminal Type
DURDC12-5F	Duracell Ultra	12V	5AH	F1
DURDC12-7F	Duracell Ultra	12V	7.72AH	F1
DURDC12-14F2	Duracell Ultra	12V	14AH	F2
DURDC12-14NB	Duracell Ultra	12V	14AH	NB
DURDC12-20C	Duracell Ultra	12V	20AH	C
DURDC12-20NB	Duracell Ultra	12V	20AH	NB
DURDC12-26NB	Duracell Ultra	12V	27.8AH	NB
WKDC12-33JUS (Made in the USA)	Werker	12V	32AH	J
WKDC12-33JUS-NH (Made in the USA)	Werker	12V	32AH	J
DURDC12-35J (BCI Group U1)	Duracell Ultra	12V	36AH	J
DURDC12-40C	Duracell Ultra	12V	40AH	C
DURDC12-55C/FR-F	Duracell Ultra	12V	55AH	C
DURDC12-55P	Duracell Ultra	12V	55AH	P
WKDC12-55PUS (Made in the USA)	Werker	12V	55AH	P
DURDC12-80P	Duracell Ultra	12V	75AH	P
WKDC12-80PUS (Made in the USA)	Werker	12V	79AH	P
DURDC12-100P	Duracell Ultra	12V	107.6AH	P
WKDC12-100PUS (Made in the USA)	Werker	12V	92AH	P

SLA - HIGH-RATE UPS

Vendor Product #	Brand	Voltage	Capacity (20 Hr Test)	Watt per Cell (1.67V/Cell)	Terminal Type
DURHR12-5FR	Duracell Ultra	12V	5.5AH	20.70	F2
DURHR12-6.5FR	Duracell Ultra	12V	6.5AH	20.50	F2
DURHR12-9FR	Duracell Ultra	12V	9AH	34.00	F2
DURHR12-12F2/FR	Duracell Ultra	12V	12AH	53.00	F2
DURHR12-20NB/FR	Duracell Ultra	12V	20AH	84.00	NB
DURHR12-20C/FR	Duracell Ultra	12V	20AH	84.00	C
DURHR12-100C/FR-A	Duracell Ultra	12V	27AH	92.80	C
WKHR12-33C/FR (Made in the USA)	Werker	12V	29.3AH	119.00	C
DURHR12-150C/FR-A	Duracell Ultra	12V	35AH	150.00	C
DURHR12-225C/FR-A	Duracell Ultra	12V	55AH	225.10	C
WKHR12-80C/FR (Made in the USA)	Werker	12V	73AH	310.00	C
DURHR12-325C/FR-A	Duracell Ultra	12V	82AH	324.60	C
WKHR12-100C/FR (Made in the USA)	Werker	12V	88.2AH	370.00	C
DURHR12-370C/FR-A	Duracell Ultra	12V	95AH	370.30	C
DURHR12-430C/FR-A	Duracell Ultra	12V	110AH	430.40	C
DURHR12-540C/FR-A	Duracell Ultra	12V	155AH	539.00	C



Count on **deep cycle batteries** to have **40% more cycles (or better!)** than general purpose batteries in the same application.



Length (in)	Width (in)	Height* (in)	Weight (lb)	Master Case	Pallet Qty
3.54	2.76	4.21	4.18	10	480
5.95	2.56	3.90	5.51	4	288
5.94	3.86	3.94	9.68	4	204
5.94	3.86	4.21	9.68	4	204
7.13	2.99	6.57	13.09	2	132
7.13	2.99	6.57	13.09	2	132
6.54	6.89	4.92	18.50	2	98
8.31	5.13	7.25	24.00	1	90
7.75	5.13	7.25	24.00	1	90
7.72	5.12	7.09	23.54	1	70
7.76	6.50	6.83	28.00	1	66
9.02	5.43	8.50	39.68	1	48
9.02	5.43	9.06	39.68	1	46
9.38	5.50	9.25	39.00	1	84
10.20	6.65	8.98	50.70	1	36
10.88	6.75	9.88	53.00	1	44
12.09	6.61	9.06	64.90	1	28
12.75	6.75	9.88	63.00	1	36

Length (in)	Width (in)	Height* (in)	Weight (lb)	Master Case	Pallet Qty
3.54	2.76	4.21	3.97	10	480
5.94	2.01	3.86	4.19	10	450
5.94	2.56	4.02	5.94	5	340
5.94	3.86	3.86	7.92	4	240
7.13	2.99	6.57	13.09	2	132
7.13	2.99	6.57	13.09	2	132
6.46	4.92	6.89	17.40	1	108
7.75	5.20	6.69	27.00	1	90
7.68	5.12	6.57	22.50	1	72
9.02	5.43	7.99	38.10	1	48
10.20	6.57	8.23	56.00	1	44
10.20	6.61	8.31	52.50	1	36
12.00	6.57	8.23	66.00	1	54
12.00	6.61	8.27	60.40	1	30
13.00	6.80	8.54	68.80	1	27
13.50	6.73	10.91	97.00	1	21

*Battery height includes terminals
Contact your business rep for store availability & product spec sheet



Whoa. **High rate batteries** have a 10-year design life and are backed by a 36-month warranty.



BATTERY MAINTENANCE & STORAGE

MAINTENANCE

Be sure to properly maintain your battery to ensure the best and most reliable performance.
SLA battery chargers available.



Recharge after each use and store battery fully charged.



Do not store in a discharged state. Charge batteries every couple months.



Overcharging kills batteries.



Disconnect charger once fully charged.



Check battery for corrosion or deformation.



If battery doesn't hold a charge, have it tested.

STORAGE



Store in cool, dry place (68° F is best).



Charge the battery every couple months when in storage.



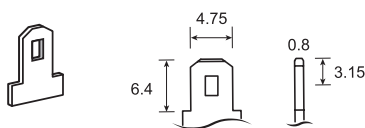
If battery is stored in higher temperatures, charge it more frequently.

TERMINAL CONFIGURATIONS

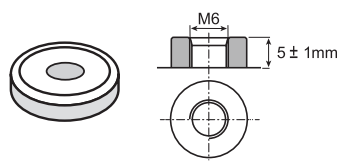
HOW LONG DO SLA BATTERIES LAST?

That will depend on the battery's application, its operating temperature and the charging method. In general, an SLA battery can last between 50-500 cycles. To extend the life of your battery, be sure to fully recharge it before storage.

F1, T1, Faston .187



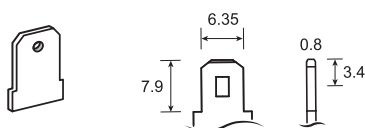
C, M5 Insert, Insert Terminal



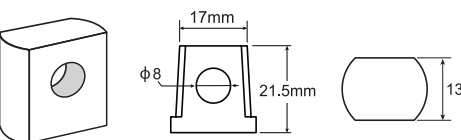
F1 (neg) F2 (pos) Polarized



F2, T2, Faston .250



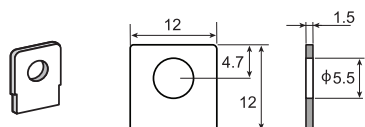
P



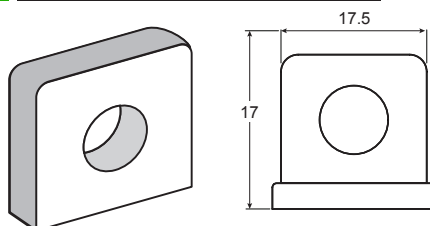
Spring, SP



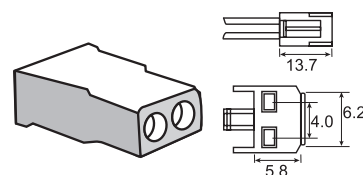
NB, M5 Nut and Bolt



J

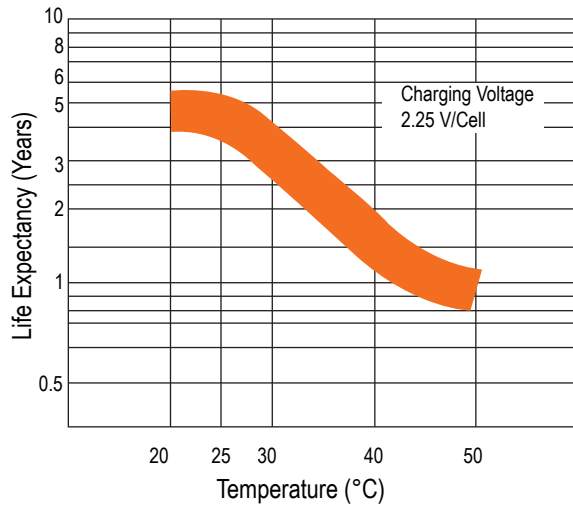


WL, Wire Leads

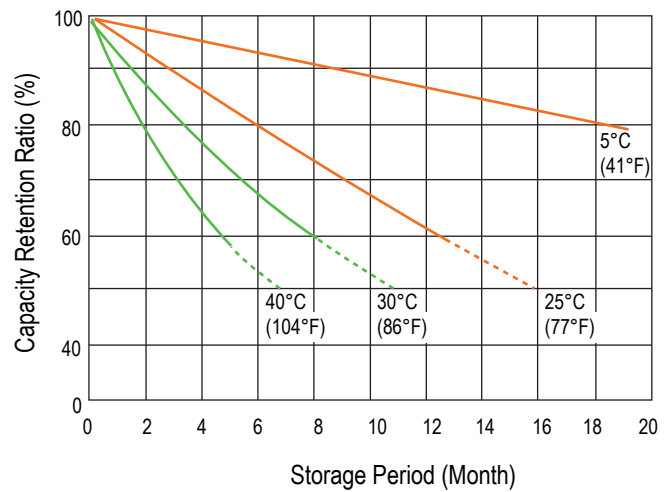


PERFORMANCE CHARACTERISTICS

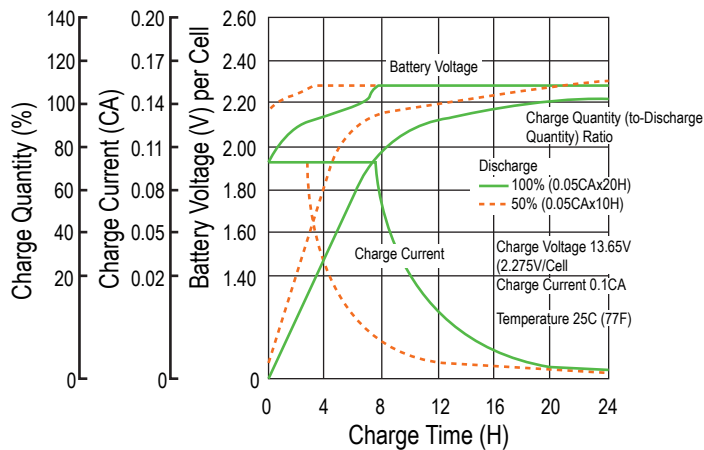
Float Service Life (General Purpose and High Rate AGM)



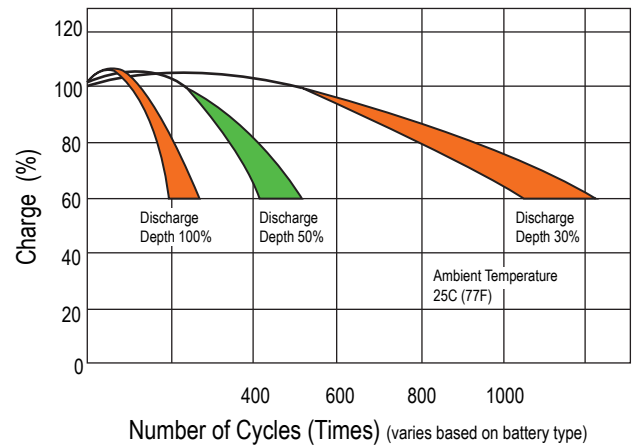
Capacity Retention Characteristic



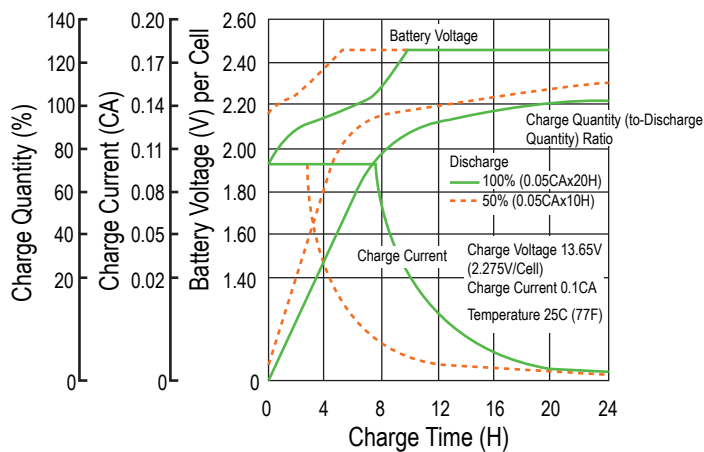
Battery Voltage and Charge Time for Standby Use



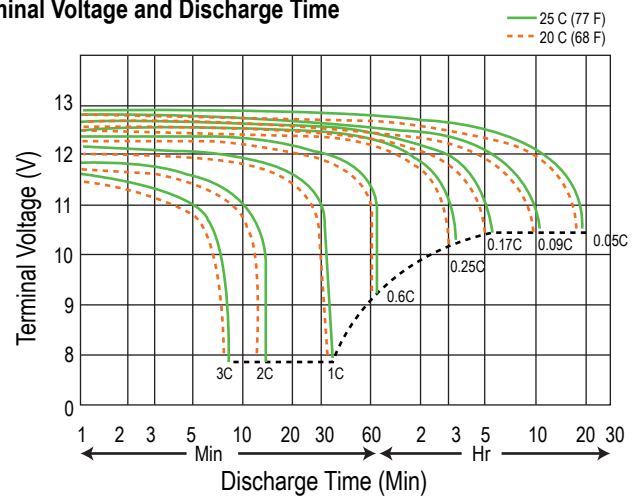
Cycle Service Life



Battery Voltage and Charge Time for Cycle Use



Terminal Voltage and Discharge Time



DURACELL®

ULTRA

Duracell® Ultra SLA Gel batteries work well in consistent deep-cycling applications without capacity loss due to their damage-resistant design. Plus, Gel technology offers the advantage of optimized cycle life through constant electrolyte-to-plate contact. And of course all Duracell® Ultra SLA batteries are held to the highest standards in materials and fabrication.



Performance

Duracell® Ultra SLA Gel batteries contain a proprietary grid alloy formula combined with advanced plate curing techniques to provide maximum performance.

Longer Life

Duracell® Ultra batteries contain a unique electrolyte formula with a special sub-colloid additive for higher reliability and longer life.

Heavy-Duty

Heavy-duty lead calcium tin alloy grids provide an extra margin of performance and service life in cyclic applications, even after repeated over-discharges.

Sealed Tight

The unique construction and sealing techniques provide leak-proof operation.

Life Cycles

Greater number of life cycles compared to standard AGM and Deep Cycle batteries.

SLA - GEL

Vendor Product #	Brand	Voltage	Capacity (20 Hr Test)	Terminal Type
DURG6-180PUS (Made in the USA)	Duracell Ultra	6V	180AH	SAE/M8 Stud
DURG12-31J-A (BCI Group U1)	Duracell Ultra	12V	30AH	J
DURG12-31JUS (Made in the USA)	Duracell Ultra	12V	31.6AH	J
DURG12-50P-A (BCI Group 22NF)	Duracell Ultra	12V	50AH	P
DURG12-50PUS (Made in the USA)	Duracell Ultra	12V	51AH	P
DURG12-60CUS (Made in the USA)	Duracell Ultra	12V	60AH	C
DURG12-70PUS (Made in the USA)	Duracell Ultra	12V	73.6AH	P
DURG12-100DTUS (Made in the USA)	Duracell Ultra	12V	97.6AH	SAE/M8 Stud



Fast Facts: Duracell Ultra General Purpose, Deep Cycle and Gel batteries last between 400-1000 cycles and include a 1-year warranty. High Rate UPS batteries can last up to 10 years and include a 3-year warranty.

Length (in)	Width (in)	Height* (in)	Weight (lb)	Master Case	Pallet Qty
10.25	7.13	10.88	68.00	1	40
7.68	5.12	7.09	23.48	1	96
8.31	5.13	7.25	23.00	1	90
9.02	5.43	8.90	36.60	1	60
9.38	5.50	9.25	37.00	1	84
10.19	6.63	7.00	39.00	1	66
10.88	6.75	9.88	52.00	1	44
12.93	6.75	9.38	70.00	1	36

*Battery height includes terminals


WHEELCHAIR & MOBILITY DEVICES

FEATURES & BENEFITS


Duracell Ultra Deep Cycle and Gel batteries offer superior performance for wheelchair and other mobility device users. Each battery is virtually maintenance-free, with a spill-proof design. For those reasons, Duracell Ultra Deep Cycle and Gel batteries are transportable on aircraft, boats and trains without restriction.

CHARGING YOUR BATTERY FOR BEST PERFORMANCE


Charging a battery properly is absolutely necessary. For best results, we recommend the following:




Charge your battery every day.



Charge whenever you have a chance. This increases the life of your battery.



When leaving your mobility device idle for an extended period, connect it to the charger before leaving.



Use the correct charger for your AGM or Gel Battery. See below for details.

CHOOSING THE CORRECT CHARGER

Duracell Ultra wheelchair chargers can charge both deep cycle and gel batteries. The correct charger depends upon the size of your battery. If the charger is too small, your battery won't charge as quickly. Too large and your battery may suffer long-term damage. Check in with our experts who can help you choose the charger that's right for you.

Item Number	Brand	Item Description
SLC10023	Duracell Ultra	24V 4A Wheelchair Dual Charger
SLC10024	Duracell Ultra	24V 2A Wheelchair Dual Charger



DEEP CYCLE vs GEL

Both Deep Cycle & Gel are non-spillable lead acid batteries and maintenance free. They can be used in deep cycle applications and will not gas with normal use. Both are DOT approved for air travel.



DEEP CYCLE

Higher capacity in the same format size

Higher discharge rate

Requires shorter initial use to reach optimal performance



GEL

More temperature stable

Longer cycle-life

Construction allows to charge more readily

WHICH BATTERY IS RIGHT FOR YOU?

Typically, folks who rely on wheelchairs and mobility devices opt for Deep Cycle batteries because they tend to be less expensive. However, some manufacturers prefer Gel due to increased cycle life, daily range and wider operating temperature range. Both options fulfill the demands of your wheelchair or mobility device.

PROPER HANDLING

Please read guidelines and warnings on any battery you purchase. We recommend that a qualified technician install your battery.

RECYCLING

We offer recycling services for SLA batteries. Talk to your business account rep or one of our in-store experts for more information.

A reliable battery resource for over 50 years, Power Sonic offers a complete line of the highest quality SLA batteries available. We're proud to partner with them, and we're pleased to offer yet another premium power solution. Take a look at our selection.



THE POWER SONIC BRAND PROMISE

QUALITY

Designed to exceed in performance and reliability

EXPERIENCE

A focus approach to exceptional end to end customer experience

SERVICE

Delivery on time every time to customer specifications

KEY MARKET SECTORS



Industrial Automation



Medical



Life Safety



Utilities & Infrastructure



GENERAL PURPOSE

Power Sonic's PS series of sealed lead acid batteries have been designed with AGM (Absorbent Glass Mat) technology to ensure superior performance and reliability. They have been engineered specifically for use in general purpose float and light cyclic applications, including security and fire protection systems, emergency lighting, UPS, toys, and medical devices.

LONG LIFE

With a thicker plate design and use of high purity lead, the Power Sonic PG series provides a longer design life for those critical standby power applications. The long-life lead acid battery has been specifically designed to offer superb high-rate discharge characteristics ensuring reliable performance in a number of applications including UPS, telecoms, and emergency lighting. The rugged impact resistant battery is available to UL94:V0 flame retardant rating.



DEEP CYCLE

The Power Sonic PDC series of deep cycle AGM batteries provide enhanced performance and excellent reliability in long duration cycling applications. The oversized negative plates and specialized paste formulation ensures constant power for longer periods of time without shortening the life of the battery. Purpose built for applications that require regular and consistent cycling (charge and discharge), the PDC series offers an exceptionally long cycle life compared to general purpose AGM batteries. This makes them ideal for mobility, medical, golf and renewable energy applications.



HIGH RATE

Power Sonic's high-rate PHR series provide constant power backup that UPS systems and critical backup applications require. The PHR series has been designed and developed specifically for high-rate discharge applications to ensure constant, dependable power when used as battery backup or as part of a UPS system. The rugged impact resistance case is available to UL94:V0 flame retardant rating.



* **WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov.**

‡ **PROPOSITION 65 WARNING:** Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the state of California to cause cancer and reproductive harm. Batteries also contain other chemicals known to the state of California to cause cancer. **Wash hands after handling.**

Batteries Plus has made every effort to accurately catalog the replacement battery information contained in this book. To obtain replacement battery information, users should also attempt to look in the equipment manufacturer's user manual. Duracell is a registered trademark of Duracell U.S. Operations, Inc., used under license. All rights reserved. All other trademarks are the property of their respective owner.

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