

Discover EV Traction Dry Cell Technology
Innovative Technology

Safety

- NON-HAZARDOUS
- Maintenance-free and non-spillable
- Non-gassing product
- Easily shipped as NON-HAZARDOUS goods without restriction
- Helps protect your equipment from battery related corrosion and damage
- Safeguards against spill related injuries and damaged clothing

Efficiency

- Faster and more efficient recharging than standard flooded technology
- High charge retention rate of 97% to 99% per month
- 99.9% efficient gas recombination - no off gassing
- Thicker plates protect against deep discharge damage

Durability

- 99.99% pure heavy-duty lead calcium design for extended grid life
- Higher active material to electrolyte ratios provide longer battery life
- Designed for tough applications and repeated deep discharging
- High impact reinforced cases that are shock and vibration resistant
- Durable copper and stainless steel terminals for high conductivity

Value

- Save time and resources without impacting performance
- Enhanced cycling and more energy, while reducing your environmental footprint
- Manufacturer's product application warranty



Discover Operating Features
Easy to Use

- Increased NON-HAZARDOUS performance within standard footprints
- Maintenance-free with low self discharge rates
- Classified "Non-Spillable Battery" and not restricted for surface or water transportation
- Operational in a wide range of environmental conditions
- Compatible with sensitive electronic equipment
- Clean & Green™ choice of Original Equipment Manufacturers

Discover Construction Features
Built to Last

- Multiple voltage options available within the same footprint
- High impact reinforced copolymer and polypropylene cases with flat top designs
- Thermally welded case-to-cover bonds
- Safety pressure relief valves that are designed to manage positive pressure in each cell - reducing oxidization of plates
- Heavy duty lead calcium grid design for consistent active material adhesion
- Tank formed plates ensure that all cells have equally matched capacity
- Double insulating micro porous glass fiber separators for consistent performance and conductivity
- Tightly packed and compressed plates to prevent plate separation and guard against vibration damage
- High quality copper and stainless steel alloy terminals
- Multiple terminal configuration options
- Removable carrying handles

Renewable Energy



Electric Vehicle



Scrubber / Sweeper



Commercial



RV / Marine



Discover the quality.

Product Standards and Credibility

All Discover® products are recognized components that are tested and qualified by Underwriters Laboratories, and are compliant with UL 1778, 924, 1989.

Discover® products have a recognized gas recombination efficiency of 99.99%; are classified as a "Non-Spillable Battery;" and are not restricted for transportation by:

- Air (IATA/ICAO-provision 67)
- Surface (DOT-CFR-HMR49)
- Water (NON-HAZARDOUS per IMDG amendment 27)

Discover® and its facilities and products are certified to multiple standards:

- ISO, QS, and TUV standards (4400/992579)
- ETTS Germany (G4M19906-9202-E-16)
- Euro Bat classification for Environmental Stewardship Standards
- Exceed governmental water and air-use standards
- Made of recycled products and are 98% recyclable



Discover the freedom.

Discover® has exact dry cell replacements for almost every flooded, deep cycle battery in the market today. Without modifying your battery compartments or your performance expectations, use our Clean & Green™ products to improve your environmental footprint.



Discover® EV Traction Dry Cell Batteries																		
Part No.	Volts	100HR*	20HR*	Mins of Discharge*			RC @25A	CA @ 0°F -18°C	CA @ 32°F 0°C	CA @ 80°F 27°C	Length		Width		Total Height		Weight	
				@25A	@56A	@75A					IN	MM	IN	MM	IN	MM	Lbs	Kgs
EV216A	2	1310	1170	2750	1130	770	2530	-	-	-	11.6	295	7.1	180	16.8	426	122.8	55.7
EVGT6A	6	286	255	561	223	146	535	850	1150	1300	10.2	260	7.1	180	11.6	295	86.0	39.0
EVGH6A	6	252	225	501	192	131	426	775	1050	1200	10.2	260	7.1	180	10.8	274	77.2	35.0
EVGC6A-A	6	239	213	475	182	124	404	750	1000	1150	10.2	260	7.1	180	10.8	274	69.2	31.4
EV627A	6	224	200	446	171	116	379	675	925	1050	12.0	306	6.6	168	8.9	225	67.2	30.5
EV250A-A	6	291	260	572	228	149	546	900	1250	1400	11.6	295	7.1	180	11.7	296	82.0	37.2
EV305A-A	6	349	312	736	295	208	660	1050	1400	1550	11.6	295	7.1	180	14.5	368	107.8	48.9
EVL16A-A	6	437	390	915	374	255	841	1350	1800	2000	11.6	295	7.1	180	16.8	426	122.8	55.7
EVGC8A-A	8	190	170	361	115	75	330	750	1000	1150	10.2	260	7.1	180	10.8	274	66.1	30.0
EVGT8A	8	207	185	412	160	106	379	750	1000	1150	10.2	260	7.2	182	11.9	301	89.5	40.6
EV805A	8	258	230	533	214	151	478	1050	1400	1550	10.2	260	7.1	180	14.5	368	102.1	46.3
EV816A	8	349	312	732	299	204	673	1450	1900	2100	11.0	280	7.2	182	15.7	399	117.1	53.1
EVU1A-A	12	37	33	53	19	12	52	235	325	365	7.8	198	5.2	132	7.2	182	22.3	10.1
EV22A-A	12	62	55	97	37	23	92	275	375	420	9.1	230	5.4	138	8.8	224	35.3	16.0
EV34A	12	78	70	130	48	32	120	-	-	-	10.2	260	6.3	159	7.2	183	45.2	20.5
EV24A-A	12	94	84	161	57	38	150	475	665	750	10.7	272	6.8	172	8.9	226	56.2	25.5
EV27A-A	12	112	100	197	77	52	185	600	810	900	12.7	323	6.8	172	8.9	226	64.2	29.1
EV30A	12	128	114	228	89	63	205	750	975	1100	13.6	345	6.7	170	9.3	236	74.1	33.6
EV31A-A	12	128	114	228	89	63	205	750	975	1100	13.0	330	7.1	180	9.3	236	74.1	33.6
EVGT12A	12	127	113	225	88	62	202	750	975	1100	10.2	260	7.1	180	11.6	295	76.0	34.5
EV12A-A	12	157	140	335	98	71	310	1100	1375	1550	12.9	327	7.1	180	10.8	274	89.5	40.6
EV185A-A	12	262	234	518	191	125	446	1175	1600	1800	15.2	386	7.1	180	14.4	367	146.6	66.5
EV4DA-A	12	274	245	535	213	139	497	1275	1600	1800	20.8	528	8.7	222	9.8	250	141.1	64.0
EV8DA-A	12	325	290	666	277	188	614	1500	1875	2100	20.8	528	11.1	282	9.8	250	180.8	82.0
EV12-140X	12	179	160	340	140	95	315	1100	1450	1600	21.7	552	4.3	110	11.6	295	110.2	50.0
EV12-180X	12	235	210	444	185	125	410	1250	1700	1900	21.5	546	4.9	125	12.7	323	132.3	60.0
EV612-80	12	90	80	169	60	40	158	400	520	600	13.8	350	6.6	167	7.2	183	52.9	24.0
EV612-160	12	179	160	364	150	102	338	850	1150	1300	19.1	485	6.8	172	9.4	240	103.6	47.0
EV612-225	12	252	225	501	192	131	426	1200	1650	1850	20.6	522	9.4	238	9.3	236	143.3	65.0





Discover® Fusion Series																		
DF24A	12	95	85	165	58	39	148	550	750	900	10.7	272	6.8	172	8.9	226	61.0	28.0
DF24TA	12	134	120	240	93	66	215	850	1150	1300	10.2	260	7.1	180	11.6	295	77.0	35.0
DF27A	12	118	105	210	82	55	190	800	1080	1200	12.7	323	6.8	172	8.9	226	69.0	31.0
DF31A	12	134	120	240	93	66	215	850	1150	1300	13.0	330	7.1	180	9.3	236	77.0	35.0
DF31TA	12	174	155	400	108	78	350	1200	1500	1650	12.9	327	7.1	180	10.8	274	92.0	42.0
DF4DA	12	241	215	560	222	145	470	1350	1650	1850	20.8	528	8.7	222	9.8	250	150.0	69.0
DF8DA	12	308	275	690	288	197	580	1450	1850	2100	20.8	528	11.1	282	9.8	250	195.0	89.0

* Performance averages after 25 cycles. You can locate detailed specifications on all of our products at www.discover-energy.com.

In addition to the part numbers listed here, Discover® has multiple sealed valve regulated products for most applications.

Whether you require a unique footprint, or increased cycle life and performance, Discover® provides solutions for your stored energy requirements.

Discover® Battery Label Guide

	Do not add water. Do not add electrolyte. Discover® products have a recognized gas recombination efficiency of greater than 99.9% and are sealed, non-spillable and maintenance-free.		More detailed specifications and service instructions are located at www.discover-energy.com .
	Do not throw in the garbage. Discover® is a 98% recyclable product and must be processed via a recognized recycling agency.		This product must be recycled and is made of recycled products. Contact a Discover® representative for collection and recycling.
	High voltage. Risk of shock. Do not touch uninsulated terminals or connectors.		Contains lead. California Proposition 65 Warning: Battery posts, terminals, and related accessories contain lead and lead components, chemicals known to the State of California to cause cancer and reproductive harm. Wash hands after handling.
	Do not tamper with product labeling, container or vents. Warranty is VOID if product is tampered with.		

We attempt to ensure the correctness of the product description and data contained herein. We reserve the right to change designs, specifications and pricing at any time without notice or obligation. It is the responsibility of the reader/user of this information to verify any and all information presented herein.

Discover the difference.

Discover® provides a more efficient battery with a lower total cost of ownership. Standard battery cost of ownership is calculated based simply on the purchase price divided by the product's time in use. The high cost of labor, service materials and negative impact on the environment are typically not considered in this formula.

Discover® allows you to save time and resources without impacting performance.

A Clean & Green Product

Discover® EV Traction Dry Cell products carry the Clean & Green™ mark. This mark identifies our commitment to provide products that conserve resources and help protect the environment. Reduce your environmental footprint by using Discover®.

Protect my future earth.



YOUR DISCOVER REPRESENTATIVE



THE MARKET LEADER IN STORED ENERGY PRODUCTS



EV Traction Dry Cell Batteries

www.discover-energy.com