

Golf Cart Battery

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DTA Series

DTA Series Batteries are maintenance free sealed lead-acid batteries composed of flat plates, high porosity AGM separator and ABS container. The cycle life is longer rather than conventional flooded batteries because of better vibration and impact resistant. Better deep discharge performance and quick recharge are also the key features of these batteries.

General Features

1. Maintenance-free sealed construction, spill proof—safe and reliable.
2. Strength-enhanced ABS container and compressed plate groups—better vibration and impact resistant.
3. Special Lead-Calcium grid design—better corrosion resistant, deep discharge performance, higher capacity and longer cycle life.
4. High porosity AGM separator—high oxygen recombination rate to ensure minimum gassing.
5. Brass insert terminals—superior conductivity and high rate discharge performance.
6. Low internal resistance—high charge acceptance and quick recharge.
7. Low self discharge—longer shelf life than conventional batteries

Typical Applications

1. Golf cart.
2. Electric sightseeing car.
3. Electric vehicle.
4. Electric scooter.
5. Marine.
6. Solar.
7. Electric forklift.
8. Portable Medical device.
9. Scraper.
10. Wheelchair.

Specifications

Model	Nominal Voltage (V)	Rated Capacity (Ah, 25°C)			Reserve Capacity (Minutes) @25Amps	Approx Dimensions						Approx Weight kg/lbs		Terminal type		
		20HR	10HR	5HR		Length mm/inches	Width mm/inches	Height mm/inches	Total Height mm/inches							
DTA6224	6	224	194	179	450	260	10	180	7.1	247	9.7	253	9.96	30.5	67.25	T11
DTA6245	6	245	221	198	460	243	9.6	188	7.4	275	11	275	10.8	31.8	70.1	T11
DTA8200	8	200	180	164	430	260	10	182	7.2	295	12	298	11.7	40.4	89.1	T11

DGF Series

DGF Series batteries are flooded tubular battery, rechargeable lead-acid batteries which in contrast to conventional systems, retain positive plates as tubular structure.

General Features

1. Longer service life.
2. Higher number of cycles.

3. Reliable pillar sealing construction, absolute no pillar corrosion.
4. Against short circuit design with the highest possibility to prevent any short circuit.
5. Flexible option for automatic refilling system and air circulation system.
6. Nonwoven protective gauntlet, better elastic, less pore size, less electrical resistance and higher air permeability.
7. Flexible, fully isolated connector prevents any creeping current.
8. Flip top plugs with special electrolyte level indication.
9. Imported microporous catercorner separator with advanced quality provides higher porosity and lower electrical resistance.
10. Containers and lids are made of polypropylene (PP). The impact resistance is very good.
11. Patented terminal sealing construction fully prevents plate growth and electrolyte leakage.

Typical Applications

1. Golf cart.
2. Electric resort car.
3. Marine.
4. Electric utility vehicle.
5. Electric scooter.
6. Boat.
7. Solar.
8. Medical application.
9. Electric forklift.
10. RV.
11. Scraper.
12. Wheelchairs.

Specifications

Model	Voltage(V)	Ampere Hour Capacity(AH)			Approx Dimension(mm)				Approx Weight(kg)	
		5HR	20HR	CA 25A(MIN)	L	W	H	TH	Dry	Wet
DGF6210	6	180	210	420	260	180	248	288	21.6	29.4
DGF8140	8	120	140	270	260	180	248	288	20	27.5
DGF12140	12	120	140	270	328	180	248	288	28.6	40.1

DTG Series

DTG Series batteries are valve regulated , flat plate rechargeable lead-acid batteries which in contrast to conventional systems, retain the electrolyte is gel. It is this robust gel technology which gives the battery its absolute freedom from maintenance. Insensitive to occasional deep discharge. Better performance in high temperature environment

General Features

1. Special plate design, long cycle lifetime.
2. Using special lead-calcium alloy to boost up the grid anti-corrosive performance and extend the battery using lifetime.
3. Using special separator to boost up the battery performance inside.
4. Reduce water losing rate and lower the possibility of thermal runaway. Better performance under critical ambient temperature condition.
5. High gas recombined reaction efficiency.
6. Little water losing, no electrolyte stratification phenomenon.
7. Long storage time.
8. Good deep discharge resilience performance.
9. Using gas silicon dioxide, small granule degree, bigger than surface area.

Typical Applications

1. Golf cart
2. Electric resort car
3. Marine
4. Electric utility vehicle
5. Electric scooter
6. Boat
7. Solar
8. Medical application
9. Electric forklift
10. RV
11. Scraper
12. Wheelchairs

Specifications

Model	Voltage(V)	Ampere Hour Capacity(AH)			Approx Dimension(mm)				Approx Weight(kg)	
		5HR	20HR	CA 25A(MIN)	L	W	H	TH	Dry	Wet
DTG6180	6	145	180	375	260	180	248	287	21	29.4
DTG8155	8	125	155	300	260	180	248	287	25.3	32.8
DTG12135	12	110	135	255	330	182	248	288	32.2	42

DGG Series

DGG Series batteries are valve regulated, rechargeable lead-acid batteries which, in contrast to conventional systems, retain the electrolyte is gel and also are using of tubular plates to increase cycle life by preventing of material shedding and pressing of PAM specially in discharged state.

General Features

Performance Advantages

1. Longer service life.
2. Higher number of cycles.
3. Reliable pillar sealing construction, absolute no pillar corrosion.
4. Against short circuit design with the highest possibility to prevent any short circuit.

Constructon Features

1. Nonwoven protective gauntlet, better elastic, less pore size, less electrical resistance and higher air permeability.
2. Flexible, fully isolated connector prevents any creeping current.
3. Flip top plugs with special electrolyte level indication.
4. Imported microporous catercorner separator with advanced quality provides higher porosity and lower electrical resistance.
5. Containers and lids are made of polypropylene (PP). The impact resistance is very good.
6. Patented terminal sealing construction fully prevents plate growth and electrolyte leakage.
7. Completely sealing throughout the batteries life.
8. Low gassing thanks to antimony-free alloy and internal oxygen recombination.
9. Minimum space required and room requirements are minimal e.g. no washing facilities needed, ventilation requirements are minimal.
10. Easy to move and handle.
11. Easy install using cable connectors with insulated terminal covers.
12. Ready for immediate use without further commissioning work.
13. Can be supplied as a standard vertical installation or by special request, for a horizontal installation.
14. Very low self-discharge 50% of rated capacity in 2 years at 20 ambient temperature.
15. High cyclic ability over 1000 cycles when discharged at 100%DOD at 20 .

16. Deep discharge protected, a load can be connected to the battery for up to 4 weeks.
17. No internal short circuits possible due to the gel structure.
18. No acid stratification, so no equalizing charge necessary .

Typical Applications

1. Golf cart.
2. Electric resort car.
3. Marine.
4. Electric utility vehicle.
5. Electric scooter.
6. Boat.
7. Solar.
8. Medical application.
9. Electric forklift.
10. RV.
11. Scraper.
12. Wheelchairs.

Specifications

Model	Voltage(V)	Ampere Hour Capacity(AH)		CA 25A(MIN)	Approx Dimension(mm)				Approx Weight(kg)	
		5HR	20HR		L	W	H	TH	Dry	Wet
DGG6180	6	150	180	375	260	180	248	288	22.6	30
DGG8120	8	100	120	225	260	180	248	288	20.7	28
DGG12120	12	100	120	225	328	180	248	288	30	40.9

DT Series

DT Series batteries are a clean, reliable power source for golf, electric vehicle, floor machine, AWP, RV, marine, mobility, renewable energy and commercial truck applications.

General Features

1. Higher capacity and higher energy density.
2. Longer service life.
3. Excellent deep cycle property.
4. Private alloy and paste recipe for deep cycle application.
5. Refilling plugs with special construction guarantee less water consumption.
6. SiO₂-PVC separator in nano grade.
7. Advanced TTP welding and heat sealing technology.
8. Terminals with high conductivity are very good at high current discharging.
9. Containers and lids are impact resistant and made of polypropylene(PP).
10. Wider operation temperature, safe and reliable.

Typical Applications

1. Battery can be used as power for Golf Cart, Electrical car, Electric Sightseeing Car, toy Car, Mini-truck, The Transportation without Driver;
2. Battery can be used as power source for industrial Mineral firms, Warehouse, dock, Station, Airport and etc.

Specifications

Model	Voltage (V)	Performance Averages after 15 Cycles				Terminal	Maximum Overall Dimensions ^D				Approx. Weight Kg(lbs)
		Ampere Hour Capacity		Minutes of Discharge ^C		Type	mm (inches)				
		(Ah)		(Min)			L	W	H	TH	
		20HR ^A	5HR ^B	@25Amps	@75Amps						
DT606	6	210	175	380	105	WNT,LPT	260 (10 1/4)	180 (7 1/8)	247 (9 3/4)	289 (11 3/8)	27.6(60.8)
DT106	6	225	185	445	115	WNT,LPT	260 (10 1/4)	180 (7 1/8)	247 (9 3/4)	289 (11 3/8)	28.5 (62.8)
DT126	6	240	195	485	130	WNT,LPT	260 (10 1/4)	180 (7 1/8)	247 (9 3/4)	289 (11 3/8)	29.5 (65.0)
DT146	6	260	215	530	145	WNT,LPT	260 (10 1/4)	180 (7 1/8)	247 (9 3/4)	289 (11 3/8)	30.4 (67.0)
DT866	8	150	125	225	E	WNT,LPT	260 (10 1/4)	180 (7 1/8)	247 (9 3/4)	289 (11 3/8)	30.6 (67.5)
DT876	8	170	145	295	F	WNT,LPT	260 (10 1/4)	180 (7 1/8)	247 (9 3/4)	289 (11 3/8)	31.6 (69.7)
DT896	8	190	155	340	G	WNT,LPT	260 (10 1/4)	180 (7 1/8)	247 (9 3/4)	289 (11 3/8)	32.8 (72.2)
DT1275	12	150	120	280	H	WNT,LPT	328 (12 7/8)	180 (7 1/8)	247 (9 3/4)	289 (11 3/8)	40.5 (89.2)
A	20 hour rate is a BCI sanctioned rating expressing ampere hours required to achieve an end voltage of 1.75V/cell at 27°C(80oF) and represents the batteries maximum capacity.										
B	5 hour rate is based on IEC (International Electrotechnical Commission) temperature standard of 30°C(86oF).										
C	Reserve Capacity or Capacity - the number of minutes a battery can be discharged at 25 or 75 amps (56 amps for 8 volt batteries) at 27°C(80oF)and maintain a voltage above 1.75V/cell .										
D	All dimensions taken from bottom of battery to top of terminal heights may vary according to type of terminals specified.										
E	Capacity @ 56 amps is 90 minutes.										
F	Capacity @ 56 amps is 117 minutes.										
G	Capacity @ 56 amps is 132 minutes.										
H	Capacity @ 56 amps is 102 minutes.										

GF Series

GF Series batteries are a clean, reliable power source for golf, electric vehicle, floor machine, AWP, RV, marine, mobility, renewable energy and commercial truck applications.

General Features

1. High capacity design, higher energy density.
2. Excellent deep cycle property, Longer service life.
3. Private grid construction design and paste recipe, high charging acceptance ability.
4. Private valve regulated seal construction, safe and reliable.
5. Outstanding vibration-resistant, wide operation temperature.
6. AGM separator, no fluid electrolyte, guarantees oxygen recombination inside the battery.
7. High purity lead calcium alloy, maintenance free and less water losing.
8. Lower self-discharge, better storage capability.
9. Advanced inter partition (TTP) welding technology obtains shorter current transfer path so as to get lower electrical resistance.
10. Strength-enhanced containers and lids are made of polypropylene (PP) to keep tight assembly of batteries.
11. Adopt heat sealing technology to seal container and lid, absolutely no leakage.
12. High strength terminals with high conductivity are very good at high current discharging.
13. Strength-enhanced containers and lids are impact resistant and made of polypropylene (PP).
14. Attached protective covers for terminals and removable carry handles are convenient for operation.

Specifications

Model	Voltage (V)	Performance Averages after 15 Cycles											Maximum Overall Dimensions				Approx. Weight Kg(lbs)	
		Ampere Hour Capacity (Ah)			Minutes of Discharge (Min)					R/C @25A	Cranking Amps (A)		mm(inches)					
		20HR	10HR	5HR	@25A	@56A	@75A	@85A	@100A		32°F/0°C	0°F/-18°C	L	W	H	TH		
GF6210	6	210	198	185	475	182	124	104	79	404	855	710	260 (10 1/4)	180 (7 1/8)	254 (10)	274 (10 3/4)	30.0 (66.1)	
GF8170	8	170	156	144	361	115	75	62	49	330	1000	750	260 (10 1/4)	180 (7 1/8)	254 (10)	274 (10 3/4)	32.0 (70.5)	
Self discharge				<3% of capacity per month (at 20°C)														
Operating temperature range				Discharge					Charge				Storage					
				-20~60°C					-10~60°C				-20~60°C					
CHARGE METHODS: Constant voltage charging at 20°C(68°F)																		
Usage				Max. Charge current					Charge voltage				Temperature compensation					
Standby use				0.25C10A					6.80-6.90V (6V Battery)				-10mV/°C (6V Battery)					
									7.20-7.35V (8V Battery)				-13mV/°C (8V Battery)					
Cyclic use				0.25C10A					9.07-9.20V (6V Battery)				-15mV/°C (6V Battery)					
									9.60-9.80V (8V Battery)				-20mV/°C (8V Battery)					