EverExceed®
power your applications

EV TUBULAR EV RANGE

GOLF IS SPECIAL

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EverExceed battery has been recognized by both domestic and foreign design because of its reasonable structure, high technical content, quality and performance .We have accumulated more than 30 years of lead-acid batteries and related products for research and development, design and trial experience, in particular made significant progress in terms of deep-cycle and long life. General flooded lead-acid battery life is 10 years or less, while our flooded lead-acid batteries can reach 15 years or longer, the cycle life has always been a leader in the new energy industry.

Everexceed battery is widely popular because EverExceed always hold a meticulous attitude for each battery and manufacture reliable quality batteries to meet versatile demand of customers. Complex design and long cycle life design of each battery, is to convey a reliable, long-term, continuous new clean energy.

In order to extend battery replacement cycle life and reduce maintenance cost, EverExceed designed very suitable and reliable EV battery-EV series battery for golf cart. Complex tubular positive plate technology is utilized to wrap up the active substance and to prevent the shedding of active material, therefore, the battery will not come to sudden failure or death. On this basis, we also used Topsure® technology, unique tube-type lead paste formula, the battery has a very high energy rate and delivers more travel time between recharging, enabling consumers to embark on longer excursions.

NEW TECHNOLOGY BATTERIES FOR

EV—TER SERIES TUBULAR FLOODED LEAD-ACID BATTERY

One of the best golf series battery was born ---- EV series Tubular flooded lead-acid battery has 15 years of design life and new tube type battery technology ---TOPSURE® technology.

Positive plates of lead-acid batteries are mostly pasted plate, resulting in shedding of the active material with the number of cycles to increase. so that the cycle life is shortened, But will not appear in tubular lead-acid battery.

After our Thirty years of research, tubular cells and tubular plate technology has been considerable development, Application of new technologies TER series battery---TOPSURE® technology , effectively prevent shedding of active materials, increased use of life, not only to improve the utilization of the active material and high capacity, But also Improve deep-cycle capability. which is Suitable for High end applications. Complex design. Highly reliable compared to normal flat plate batteries.

Common pasted positive plate flooded battery life will not exceed ten years, deep cycling capability is relatively poor. EverExceed TER series batteries are 15 years stationary batteries and were developed for GOLF, and maintain more than 80% of capacity, it is the best choice for golf battery.

Comparison between flat and tubular positive plates in flooded lead-acid batteries

	Flat plate	Tubular	Explan ation of tubular advantages
Reliability	Reliable	Most reliable	
Charge cycles (at 80% DOD)	50-800	100	Lead selenium / low antimony alloy advantage
Electrolyte stratification risk	Medium	Low	The external shape of the positive plate allows for easier movement for the electrolyte
Float current	Medium	Low	
Thermal management	Medium	High	Because of the higher relative electrolyte amounts and easier convective heat transport
Interface surface area	Medium	High	
Electrical resistance	Mid-to-low	Low	Well defined pore sizes permit easy movement to the electrolyte
Life expectancy	8 years	15+years	
Charge retention	Long	Longest	Because there is no electrolyte pollution from reinforcing agents

Proprietary Charger—NCHF Series Charger

(for golf series battery)
150W-5000W
12V/24V/36V/48V/72V/96VDC

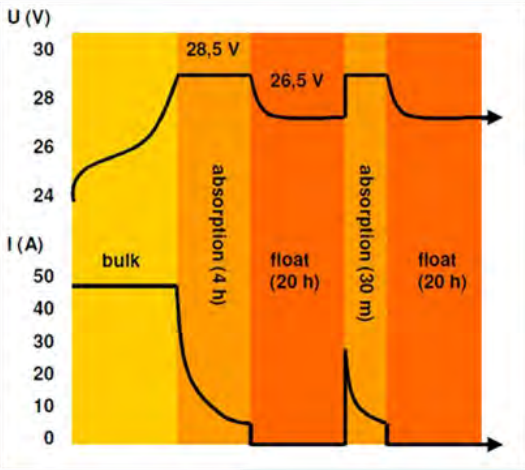
EVEREXCEED EV series battery is equipped with a proprietary charger, professional design - to meet customer demand and our constant pursuit of quality on the battery. Unmatched battery charger will result in overcharge and discharge, which is the main cause of battery plate sulfation, which will shorten battery service life.

Perfect chargers for any type of battery

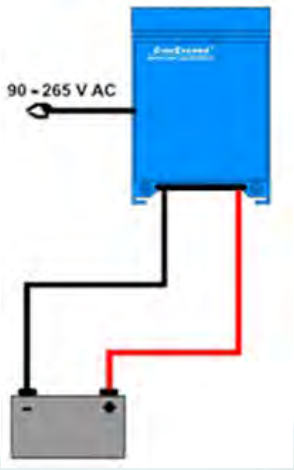
Charge voltage can be precisely adjusted to suit any unsealed or sealed battery system. In particular, unsealed golf batteries must be charged cor-rectly in order to ensure a long service life. Overvoltage will result in excessive gassing and battery will dry out and fail.

Quality without compromise

Aluminium epoxy powder coated cases with drip shield and stainless steel fixings withstand the rigors of an adverse environment: heat, humidity and salt air. Circuit boards are protected with an acrylic coating for maximum corrosion resistance. Temperature sensors ensure that power components will always operate within specified limits, if needed by automatic reduction of output current under extreme environmental conditions.



Charge curves (for 24V battery bank)



application example

To increase battery life: temperature compensation

Every NCHF charger comes with a battery temperature sensor. When con-nected, charge voltage will automatically decrease with increasing battery temperature. This feature is especially recommended for sealed batteries which otherwise might be overcharged and dry out due to venting.

Battery voltage sense

In order to compensate for voltage loss due to cable resistance, NCHF chargers are provided with a voltage sense facility so that the battery al-ways receives the correct charge voltage.

Charging performance

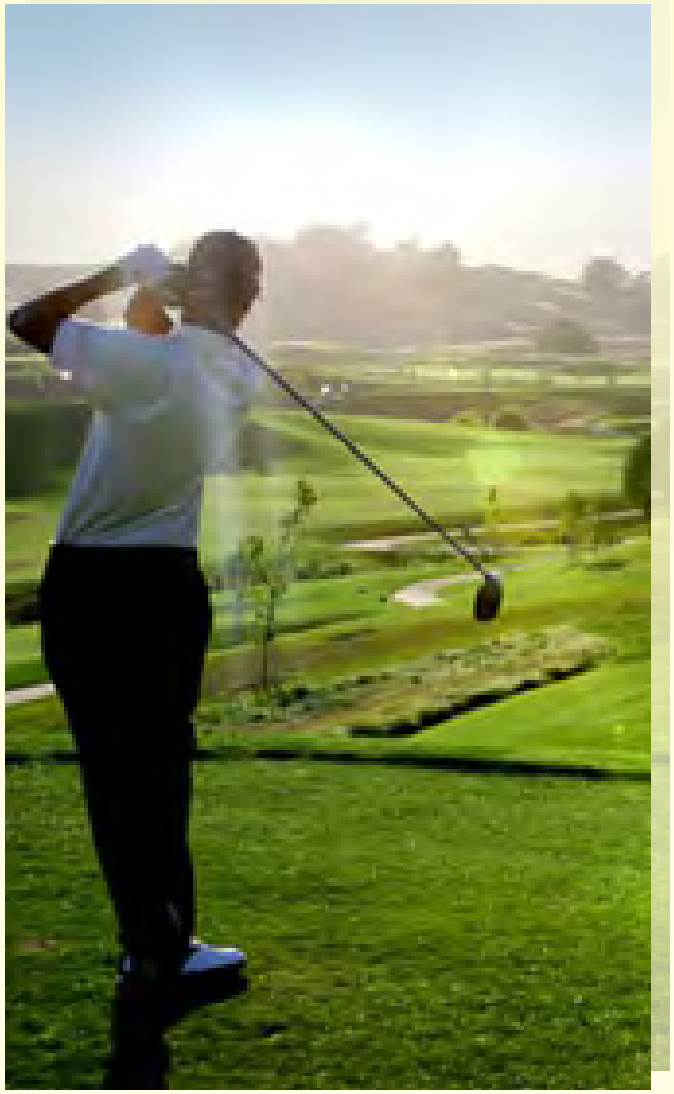
The temperature rising during the charge and the evaporating of the electrolyte at the charge specification, this can prolong the battery life and reduce the lost volume of water, so it can reduce the maintenance cost. Intelligent, fully automatic.

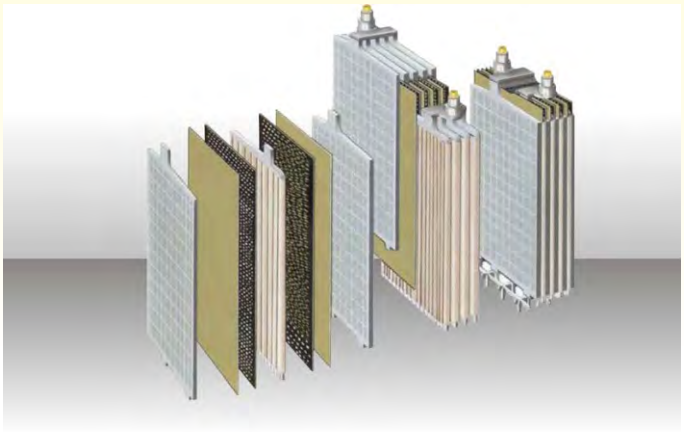
Everexceed's New Generation of Long-LifeAnd Deep-Cycle Battery Advancement

Topsure® Tubular Paste with TE Technology[TE]

Maximum Operating Performance

Everexceed’s Topsure® Tubular Paste is a proprietary, high density paste formulation engineered to deliver outstanding battery performance. It optimizes porosity development in the active material utilizing the active material more effectively resulting in sustained battery performance over a longer period of time. everexceed's TE Technology introduces a patent-pending TE metal agent into tubular Paste strengthening its electrochemical processing capabilities.tubular Paste with TOPSURE® Technology increase both sustained capacity and total overall amperehours resulting in more operating power. TER series Tubular flooded lead-acid battery has 15 years of design life and effectively prevent shedding of active materials.





Everexceed Spine Technology
Reduced Downtime

Everexceed’ s spine Topsure® technology is a lead antimony alloy spine mixture formulated specifically for use with Everexceed’ s TOPSURE® tubular Paste with TE Technology. a series of lead spines is used to hold the active material in place and conduct the electricity, Lead-antimony alloy material and Complex structures reduce overall corrosion. The spine configuration is optimized to enhance current flow through the spine providing exceptional battery performance, reducing downtime and lowering overall maintenance costs.

Innovative Long-Life And Deep-Cycle Battery Technology

Engineered specifically to meet the increasing demands of today’ s golf cars, Everexceed's Topsure® Technology^{TE} builds upon our historically-proven technology and incorporates improvements resulting in a superior battery with maximum sustained performance, longer life and increased total energy.

TOPSURE® TE Separator
Longer Battery Life

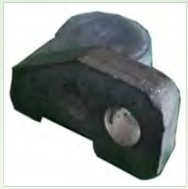
Exclusively available in Everexceed batteries is our Topsure® TE advanced separator. Its multi-rib geometry design keeps acid channels open longer enhancing electrochemical processing while reducing the risk of stratification. TOPSURE® is proprietary rubber-based and PVC material formulation inhibits antimony transfer between the positive plates and negative plates; a protection not available in many other competitor batteries. A newly fortified, thick back web provides even greater separator strength resulting in a more robust battery with increased protection against failures caused by separator degradation. Everexceed’ s TOPSURE® TE advanced separator sustains performance, provides longer battery life and significantly lowers operating costs.

Technical Spacification

Model	Rated Voltage (V)	Capacity Amp-Hours (AH)				Dimension (mm/inch)			Weight(kg)		Terminal
		3-Hr Rate	5-Hr Rate	10-Hr Rate	20-Hr Rate	Length	Width	Height	Dry	Wet	
6 VOLT DEEP-CYCLE FLOODED BATTERY											
T-105	6	160	185	210	220	260	182	282	19	28.5	T1
T-125	6	175	200	225	240	260	182	282	22	31	T1
T-145	6	180	215	240	260	260	182	303	22.5	32.5	T1
8 VOLT DEEP-CYCLE FLOODED BATTERY											
T-875	8	120	140	160	170	260	182	290	20	30	T1
12 VOLT DEEP-CYCLE FLOODED BATTERY											
T-1260	12	100	120	130	140	360	172	270	26	36	T2
T-1270	12	105	130	140	150	360	172	270	29	39	T2

Terminal

T1



T2