Conventional Series

GBT12-70(12V70Ah)

General-Purpose Lead-Acid Batteries

GBT series batteries are general-purpose lead-acid batteries. Adopting high quality lead-calcium multi-alloy plate grid, corrosion resistance, good mechanical properties; high-performance casting and welding plates, conductivity is 30% higher than ordinary batteries internal mechanical through-wall welding, internal resistance is reduced by 20%, more adaptable to high-current discharging; AGM technology, so that the battery has a higher energy density, charging acceptance is stronger; imports of ABS raw materials, homemade shell, the use of heat sealing process, so that the battery becomes an integrated whole, sealing is greatly improved; pure copper downward rotating terminals, not only to meet the needs of high-current charging and discharging, and flexible installation and maintenance. Pure copper downward rotating terminals not only meet the needs of high-current charging and discharging, but also flexible installation and more convenient maintenance. This series of batteries are manufactured by international advanced automatic production line, with high stability and consistency of batteries and longer service life. The product meets the standards of TLC, GB/T19638.1-2014, etc., and the design life is up to 12 years (25C°).

Applications

* Uninterruptible Power Supply (UPS)
* Data centers (IDC)
* Government and Enterprise Unit (GEU) server rooms
* Bank Backup Power
* Fire protection power supply (EPS)
* Telecommunications communication systems
* Alarm and security systems
* Solar wind energy systems
* DC panel power supply
* Power Systems

Material Composition

* Safety Exhaust ValveEPDM
* Positive plate lead dioxide
* Negative plate sponge lead
* electrolytes sulfuric acid
* Partitions fiberglass wool
* Terminals copper
* HousingABS material flame retardantUL94-HB UL94-V0

Product Advantage

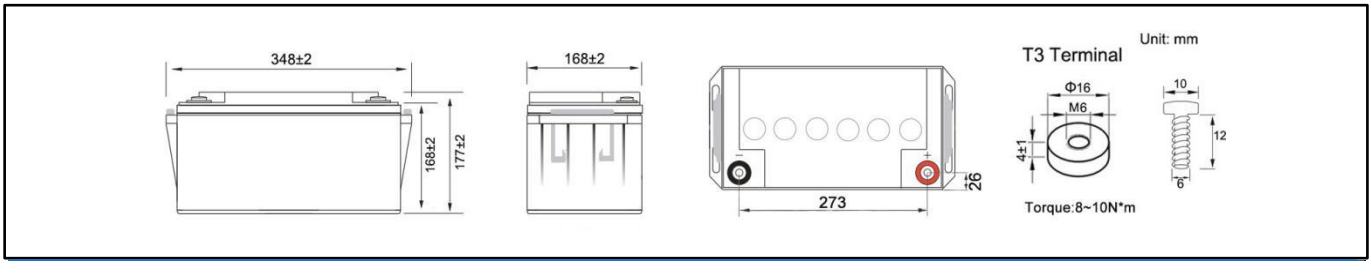
* Low self-discharge
* Highly airtight
* Consistency
* maintenance-free without the need to add water
* with a design life of up to 12 years
* High safety performance, explosion-proof and flame retardant
* Low internal resistance and excellent conductivity
* excellent high rate discharge performance
* Upgraded protection, standard with leak-proof tray

Specification Breakdown

Battery type	Rated voltage		12V	
	Nominal Capacity (20HR)		70Ah	
	Battery type		GBT12-70	
Battery size	Long	Wide	High	Overall height (including terminals)
	348mm (13.70 inches)	168mm (6.61 inches)	177mm (6.96 inches)	177mm (6.96 inches)
Approximate weight	18.5kg(40.78lbs) ± 3%			
Capacity	20 hour rate (10.5V)	10 hour rate (10.8V)	5-hour rate (10.5V)	1 hour rate (9.6V)
	70Ah	65Ah	56Ah	40.2Ah
Maximum discharge current	780A (5 seconds)			
Battery internal resistance	Approx. 6.95mΩ at full power (25C°)			
capacity under the influence of temperature	40℃ (104 °F)	25℃ (77 °F)	0℃ (32 °F)	-15℃ (5 °F)
	102%	100%	85%	65%
Self-discharge @25°C (77 ° F)	stored for one month		three months of storage	Storage for twelve months
	98%		94%	74%
Charging Method @25°C (77 ° F)	Recycling		Float-charged use	
	14.40-15.00V (initial charging current less than 19.5A)		13.50-13.80V	

Dimensional data (mm)

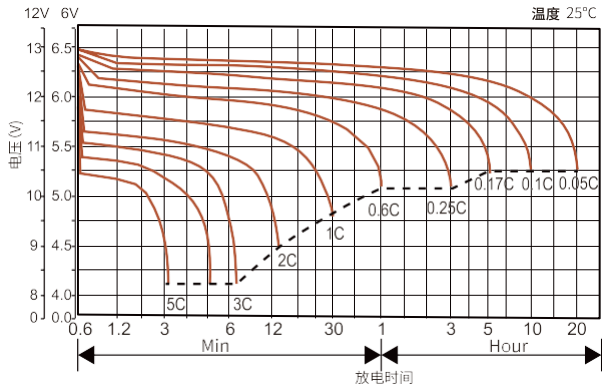
Terminal Type (mm)



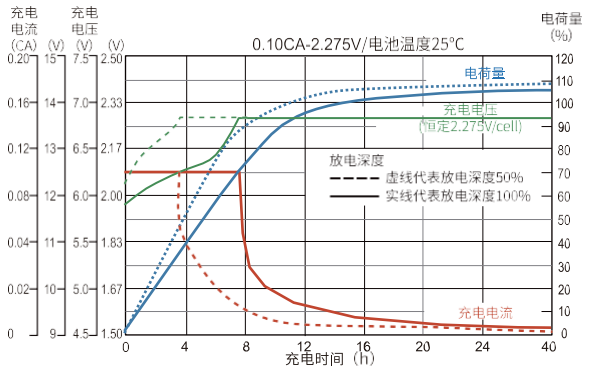
Constant current and constant power discharge meter (25C°)

F.V\TIME		5MIN	15MIN	30MIN	60MIN	2 HR	3HR	5HR	8HR	10HR	20HR
1.60V/cell	A	200.000	112.000	68.000	40.200	24.400	17.140	11.500	8.000	6.620	3.560
	W	343.000	205.000	129.000	78.000	48.080	33.960	22.910	16.000	13.260	7.160
1.67V/cell	A	186.000	107.000	66.800	39.650	24.200	17.010	11.410	7.960	6.600	3.540
	W	325.000	197.000	127.000	77.100	47.770	33.760	22.770	15.940	13.240	7.120
1.70V/cell	A	178.000	104.000	65.900	39.350	24.070	16.930	11.350	7.930	6.580	3.520
	W	314.000	193.000	126.000	76.600	47.570	33.640	22.670	15.900	13.210	7.090
1.75V/cell	A	161.000	98.300	64.000	38.680	23.790	16.720	11.200	7.860	6.540	3.500
	W	290.000	184.000	123.000	75.600	47.140	33.300	22.420	15.790	13.150	7.060
1.80V/cell	A	144.000	92.400	61.900	37.970	23.480	16.480	11.020	7.780	6.500	3.470
	W	265.000	175.000	119.000	74.500	46.660	32.910	22.110	15.660	13.090	7.010

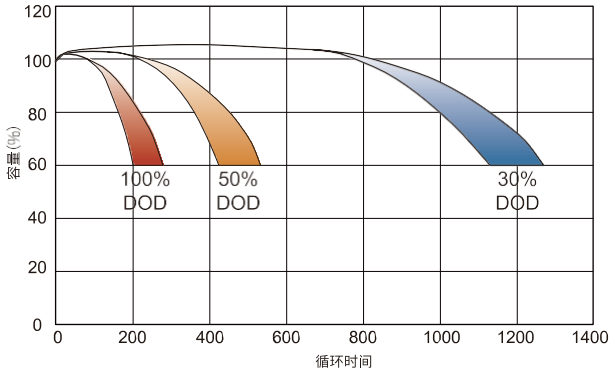
放电特性曲线图(25°C/77°F)



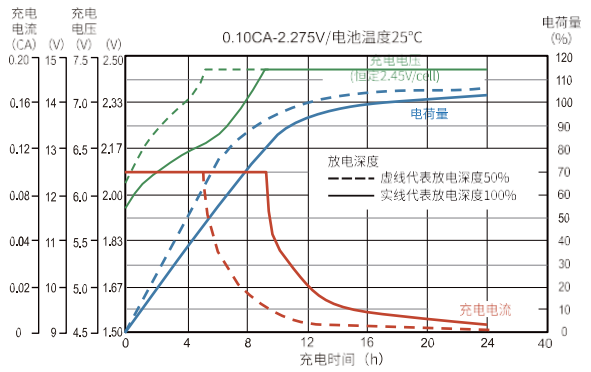
浮充充电特性曲线图(25°C/77°F)



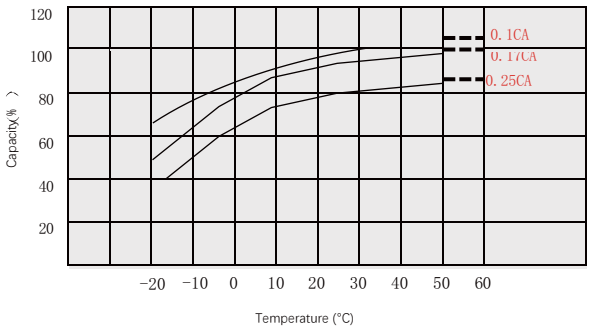
循环寿命与放电深度



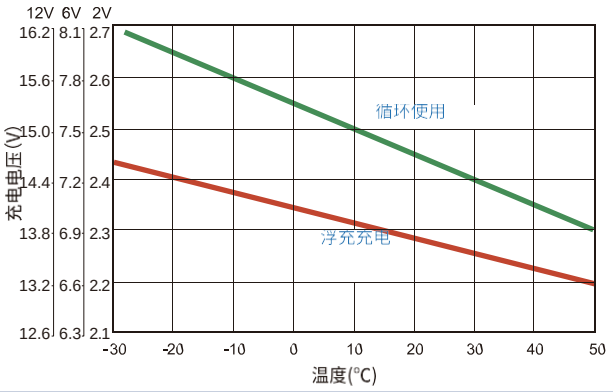
循环充电特性曲线图(25°C/77°F)



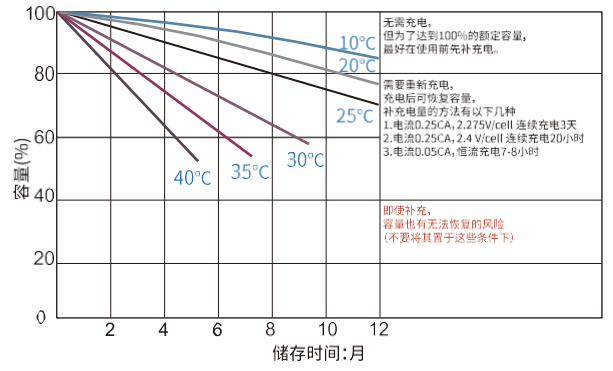
温度与容量之间的关系



充电电压与温度的关系



自放电特性



温度与浮充寿命