

Best partner for Wheel Chair

High Temperature Deep Cycle GEL Battery

HTB series adopts industry leading die casting technology and AGM separator, which has good low temperature performance and corrosion resistance; It has strong impact resistance, high density lead paste and strong cyclic discharge ability; The terminals of the pole are made of silver plated copper core structure, which are reliable, safe and convenient. The gel has obvious advantages in maintaining the gel free starting and climbing.



Complied Standards

IEC60896-21/22	BS6290part4
JISC8704	GB/T19638
IEC61427	CE/ISO

Technical Specifications

Nominal Voltage	12V(6 Cells Per Unit)	
Design Floating Life @25°C	20 Years	
Nominal Capacity @25°C(20 hour rate@1.8V)	100%C (Ah)	
Capacity @25°C	10hour rate (1.8V) 90%C (Ah)	
	5 hour rate (1.8V) 80%C(Ah)	
	1 hour rate (1.75V) 58%C(Ah)	
Internal Resistance	Full Charged Battery@25°C	≤0.02*C(mΩ)
	Discharge	-25°C~60°C
Ambient Temperature	Charge	-25°C~60°C
	Storage	-25°C~45°C
	Max.Discharge Current@25°C	6C (5s)
Capacity affected by Temperature (10 hour)	40°C	108%
	25°C	100%
	0°C	90%
	-15°C	70%
Self-Discharge@25°Cper Month	3%	



General features

- Able to operate at -40~60°C
- DOD 50% 1500 times Cycles
- Integrated design to ensure the best uniformity and reliability
- Long life and high stability under hightemp. environment (no cooling needed)
- Use super-C additives:
- Deep discharge recovery capability

Charge (Constant Voltage) @25°C	Standby Use	Initial Charging Current Less than C*0.25A Voltage 2.25-2.3V
	Cycle Use	Initial Charging Current Less than C*0.25A Voltage 2.37-2.4V

Battery Construction

Component	Positive plate	Negative plate	Container &Cover	Safety valve
Features	Thick high Sn low Ca grid with Special paste	Balanced Pb-Ca grid for improved recombination efficiency	Fire resistant e ABS (UL94-V0optional)	Flame Si-Rubber and aging resistance
Component	Terminal	Separator	Electrolyte	Pillar seal
Features	Female Copper Insert	Advanced PVC /AGM separator for high pressure cell desbm	Dilute high purity sulfuric acid	Two layers epoxy resin seal

Popular item for Wheel Chair

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Net Weight kgs	Gross Weight kgs
			Length	Width	Height	Total Height		
HTB12-14	12	14	152	99	96	102	3.8	3.9
HTB12-20	12	20	181	77	167	167	6	6.1
HTB12-35	12	35	196	130	155	167	10.5	10.7
HTB12-40	12	40	198	166	174	174	14.2	14.4
HTB12-75	12	75	260	169	208	227	25	25.5
HTB12-100	12	100	307	169	211	216	30.2	30.7
HTB12-150	12	150	484	171	241	241	45.5	46
HTB12-200	12	200	532	206	216	222	58.6	59.1
HTB12-250	12	250	520	269	203	207	71	71.5
HTB12-300	12	300	520	269	220	226	77	77.5



Performance Characteristics

