

High Temperature Deep Cycle GEL 6V Battery

The 6V deep-cycle industrial batteries are made with heavy-duty, long-lasting connection terminals, thick plates and advanced stabilizer materials to handle extreme working conditions and vibrations. With some of the longest run times and highest cycle life in the industry. This series is highly suitable for application in Sweeper clearance car.



Complied Standards

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



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

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	German Evonik Silicon GEL	Two layers epoxy resin seal

Technical Specifications

Nominal Voltage	6V(3 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)
	40°C	108%
	25°C	100%
Capacity affected by Temperature (10 hour)	0°C	90%
	-15°C	70%
	Self-Discharge@25°Cper Month	3%
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

Best Partner For Sweeper Clearance Car

Popular item for Sweeper Clearance Car

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Net Weight	Gross Weight
			Length	Width	Height	Total Height	kgs	kgs
HTB6-200	6	200	306	168	220	222	30	30.5
HTB6-210	6	210	260	180	247	249	29.5	30
HTB6-220	6	220	306	168	220	222	31.5	32
HTB6-225	6	225	243	187	275	275	30.5	31
HTB6-250	6	250	260	180	265	272	34.5	35
HTB6-310	6	310	295	178	346	366	46	46.5
HTB6-330	6	330	295	178	354	360	46.6	47.1
HTB6-380	6	380	295	178	404	410	55.3	55.8
HTB6-420	6	420	295	178	404	410	56.8	57.3



Performance Characteristics

