

Best Partner For Vehicular Audio System

Long Life AGM Deep Cycle 12V Battery

12V deep cycle long life vrla AGM battery uses a different chemistry additives in the positive plates and special AGM separators, The DC series features 70% higher cyclic life with 15 years of float life when compared to the standard Duration range. It is more suitable for the application of Vehicular audio system.



Complied Standards

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



General features

- DOD 50% 1200 times Cycles
- Design floating life 15-20 years
- Integrated design to ensure the best uniformity and reliability
- Long life and high stability under hightemp. environment (no air-con 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 resistance ABS (UL94-V0 optional)	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

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)
Ambient Temperature	Discharge -25°C~60°C
	Charge -25°C~60°C
	Storage -25°C~45°C
Max.Discharge Current@25°C	40°C 108%
	25°C 100%
	0°C 90%
Capacity affected by Temperature (10 hour)	-15°C 70%
	Self-Discharge@25°Cper Month 3%
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

Popular item for Vehicular Audio System

Model	Nominal Voltage (V)	Capacity (Ah)	Dimension (mm)				Net Weight kgs	Gross Weight kgs
			Length	Width	Height	Total Height		
DC12-20	12	20	181	77	167	167	6.0	6.3
DC12-70	12	70	350	167	178	178	23.3	23.6
DC12-75	12	75	260	169	208	227	25.0	25.3
DC12-90	12	90	307	169	211	216	28.2	28.5
DC12-100	12	100	307	169	211	216	30.2	30.5
DC12-110	12	110	331	174	214	220	33.3	33.6
DC12-120	12	120	407	173	210	233	39.2	39.5
DC12-135	12	135	344	172	280	285	40.8	41.
DC12-150	12	150	484	171	241	241	45.5	45.8
DC12-180	12	180	532	206	216	222	56.0	56.3



Performance Characteristics

