HTD SERIES LONG LIFE DEEP CYCLE VRLA AGM BATTERY

Voltage: 6V, 12V
Capacity: up to 6V420Ah, 12V300Ah
Designed floating service life: 12-15 years @ 25 °C/77 °F.

SUMMARY
Since 2003, CSPower has conducted research and produced sealed lead-acid maintenance-free AGM batteries and GEL storage batteries. Our batteries are always in line with the process of innovation according to market environment: AGM Battery CS series—GEL battery CG series—Deep Cycle AGM battery HTD series—High Temperature Long Life Deep Cycle GEL battery HTL series.

HTD series deep cycle AGM battery is a widely used thick plate AGM battery with a 12-15 years design life in float service. Its choice for deep cycle use is 30% longer than regular AGM battery, reliable for backup use and solar cycle use.

FEATURES AND BENEFITS
CSPower HTD series deep cycle long life vrla AGM battery uses a different chemistry additive in the positive plate and special AGM separator. The HTD series features 50% higher cyclic life with 12-15 years of float life when compared to the standard Duration range. This series is highly suited for very unreliable power applications requiring the battery to provide extra cyclic life performance such as PV solar system applications, BTS systems, and electric vehicles.

1. Three years warranty for solar cycle use.
2. 30% longer life than regular AGM lead acid battery.
3. Longer life and higher stability for deep cycle use.

CHARGING VOLTAGE
Constant voltage charging is recommended.
Recommended float charge voltage: 2.27V/cell @ 20-25°C
Float voltage temperature compensation: -3mV/°C/cell
Float voltage range: 2.27 to 2.30 V/cell @ 20-25°C
Cycle application charge voltage: 2.40 to 2.47 V/cell @ 20-25°C
Max. charge current allowable: 0.25C

CONSTRUCTION
1. HTD series battery adopts a unique grid structure, special corrosion-resistant alloy, and unique active material formula, which can improve efficiency.
2. All in HTD battery adopts pure raw materials since the cracking life rate is very low below 3% every month.
3. The electrolyte of HTD battery adopts low density electrolyte and add special electrolyte additive, so can lower the corrosion of lead plates by electrolyte, reduce the problem of stratification of electrolyte density, result in to improve the battery charge receive capacity and over discharge performance, finally can extend the battery cycle life on a higher level.
4. HTD deep cycle agm battery adopts unique radial grid structure and super thick lead plates, in order to extend battery cycle life. Enhancing lead plates thickness ensure that battery can realize self-protection of over discharge so can avoid battery overcharge.
5. Newest HTD deep cycle battery adopts patent technology of high strength tight assemble and 4BS lead past, can also extend the battery cycle life obviously.
6. It adopts battery formation innovative technology, so can reduce the possibility of lead plates secondary pollution and improve the battery consistency.

APPLICATIONS
- Electric Powered Vehicles
- Wheel Chairs
- BTS Stations
- Medical Equipments
- Solar and Wind

COMPLIANT STANDARDS
- IEC 61427
- T582290 part 4
- GB/T 22473
- ISO9001/14001/18001
- CE
- IEC 60686-2122
- Eurobat guide, long life
- IATA and IMDG

Cycle life vs. Depth of discharge (25°C)

Temperature effect on designed float life

-4- www.csagmbattery.com