

HTD SERIES LONG LIFE DEEP CYCLE VRLA AGM BATTERY

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



SUMMARY

Since 2003, CSPower start the research and produce sealed free maintenance AGM and GEL storage batteries. Our batteries are always in the process of innovation according to market and 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 specially valve regulated sealed free maintenance deep cycle AGM battery with 12-15 years design life in float service, perfect choice for deep cycle use, 30% longer life than regular AGM battery, reliable for backup use and solar cycle use.

FEATURES AND BENEFITS

CSPower HTD series deep cycle long life vria agm battery uses a different chemistry additives in the positive plates and special AGM separators. 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 batteries 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.
4. Use Super-C additives lead plates: Deep discharge recovery capability
5. Cycle usage: 50% DOD, >1200 Cycles.

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
 Cyclic 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 unique grid structure, special super corrosion-resistant alloy and unique active material formula, which can improve the efficiency, so HTD battery recover performance is excellent after deep discharge even discharge to empty, also with the advantage of high durability, enough capacity and long cycle life.
2. All in HTD battery adopts high pure raw materials since original, so its self discharge rate is very low below 3% every month.
3. The electrolyte of HTD battery adopts low density electrolyte and add particular 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 protect of over discharge so can avoid battery over discharge.
5. Newest HTD deep cycle battery adopts patent technology of high strength tight assemble and 4BS lead paste, so can extend the battery cycle life obviously.
6. It adopts battery formation innovative technology, so can reduce of the possibility of lead plates secondary pollution and improve the battery consistency.

APPLICATIONS

- Electric Powered Vehicles
- Golf Cars and Buggies
- Wheel Chairs
- Power Tools
- BTS Stations
- Control System
- Medical Equipments
- UPS systems
- Solar and Wind
- Emergency systems

COMPLIED STANDARDS

- IEC 61427
- CE
- BS6290 part 4
- IEC 60896-21/22
- GB/T 22473
- Eurobat guide, long life
- ISO9001/14001/18001
- IATA and IMDG

CSPower MODEL	Voltage	Capacity	Battery Dimension (mm)				Weight(kg)
	(V)	(Ah)	Length	Width	Height	Total Height	(±3%)
HTD12 - 14	12	14	152	99	96	102	3.8
HTD12 - 20	12	20	181	77	167	167	6.0
HTD12 - 24	12	25	166	175	126	126	8.3
HTD12 - 26	12	25	165	126	174	179	8.4
HTD12 - 35	12	35	196	130	155	167	10.5
HTD12 - 40	12	40	198	166	174	174	14.2
HTD12 - 55	12	55	229	138	208	212	16
HTD12 - 70	12	70	350	167	178	178	23.3
HTD12 - 75	12	75	260	169	208	227	25
HTD12 - 85	12	85	260	169	208	227	26.1
HTD12 - 90	12	90	307	169	211	216	28.2
HTD12 -100	12	100	307	169	211	216	30.2
HTD12 -110	12	110	331	174	214	220	33.3
HTD12 -120	12	120	407	173	210	233	39.2
HTD12 -135	12	135	344	172	280	285	40.8
HTD12 -150	12	150	484	171	241	241	45.5
HTD12 -180	12	180	532	206	216	222	56
HTD12 -200	12	200	532	206	216	222	58.4
HTD12 -230	12	230	522	240	219	225	65
HTD12 -250	12	250	520	268	203	207	71
HTD12 -300	12	300	520	268	220	226	77
HTD 6 - 200	6	200	306	168	220	222	30
HTD 6 - 210	6	210	260	180	247	249	29.5
HTD 6 - 220	6	220	306	168	220	222	31.5
HTD 6 - 225	6	225	243	187	275	275	30.5
HTD 6 - 310	6	310	295	178	346	366	46
HTD 6 - 330	6	330	295	178	354	360	46.6
HTD 6 - 380	6	380	295	178	404	410	55.3
HTD 6 - 420	6	420	295	178	404	410	56.8

