



SWEeper BATTERY

Long life deep cycle AGM Series

CSPOWER HTD series deep cycle long life vrla AGM battery uses a different chemistry additives in the positive plates and special AGM separators, The HTD series features 70% 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, thus best suitable use for the Sweeper and Electric vehicle.



Features

- **Voltage :** 6V, 12V
- **Capacity range :** 6V200Ah~6V420Ah, 12V14Ah~12V300Ah
- **Low self-discharge rate:** ≤3% per month
- **Lifetime:** 12 ~ 15 years design lifetime in standby application at 25 °C
- **Wide operation temperature range:** -30 °C ~ +40 °C
- **Deep cycle performance:** up to 1200 cycles@50% DOD
- **High charging receptivity**
- **Excellent deep discharge recovery capability**

SWEeper BATTERY

(LONG LIFE DEEP CYCLE AGM SERIES)



Applications



Sweeper/ Floor machine



Electric forklifts



Golf trolleys and golf carts



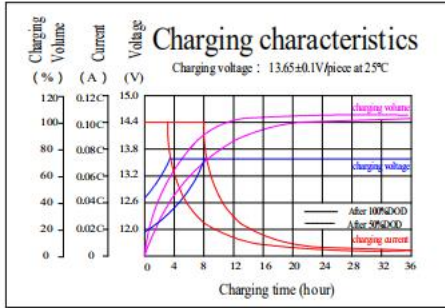
Specifications

CSPOWER MODEL	Voltage	Capacity	Battery Dimension (mm)				Weight (kg)	Bolt
	(V)	(Ah)	L	W	H	TH	(±3%)	
HTD12-14	12	14	152	99	96	102	4.1	/
HTD12-20	12	20	181	77	167	167	6.3	M5×12
HTD12-24	12	24	166	175	126	126	8.6	M6×14
HTD12-26	12	26	165	126	174	179	8.7	M6×14
HTD12-35	12	35	196	130	155	167	10.8	M6×16
HTD12-40	12	40	198	166	174	174	14.5	M6×14
HTD12-55	12	55	229	138	208	212	16.3	M6×16
HTD12-70	12	70	350	167	178	178	23.6	M6×16
HTD12-75	12	75	260	169	208	227	25.3	M6×16
HTD12-85	12	85	260	169	208	227	26.4	M6×16
HTD12-90	12	90	307	169	211	216	28.5	M6×16
HTD12-100	12	100	307	169	211	216	30.5	M6×16
HTD12-110	12	110	331	174	214	220	33.6	M8×18
HTD12-120	12	120	407	173	210	233	39.5	M8×18
HTD12-135	12	135	344	172	280	285	41.1	M8×18
HTD12-150	12	150	484	171	241	241	45.8	M8×18
HTD12-180	12	180	532	206	216	222	56.3	M8×18
HTD12-200	12	200	532	206	216	222	58.7	M8×18
HTD6-200	6	200	306	168	220	222	30.3	M8×18
HTD6-210	6	210	260	180	247	249	29.8	M8×18
HTD6-220	6	220	306	168	220	222	31.8	M8×18
HTD6-225	6	225	243	187	275	275	30.8	M8×18
HTD6-250	6	250	260	180	265	272	34.8	M8×18
HTD6-310	6	310	295	178	346	366	46.3	M8×18
HTD6-330	6	330	295	178	354	360	46.9	M8×18
HTD6-380	6	380	295	178	404	410	55.6	M8×18
HTD6-420	6	420	295	178	404	410	57.1	M8×18
HTD8-170	8	170	260	182	266	271	34.3	M8×18
HTL8-200	8	200	260	182	295	301	38.3	M8×18

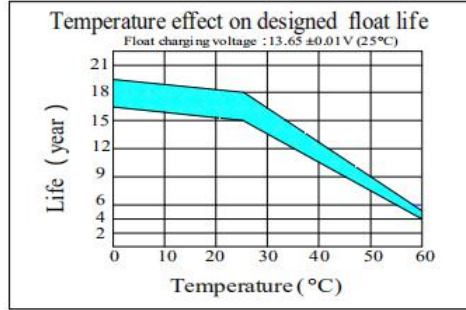
Products will be improved without notice, please contact sales for specification in kind prevail.

CHARACTERISTICS

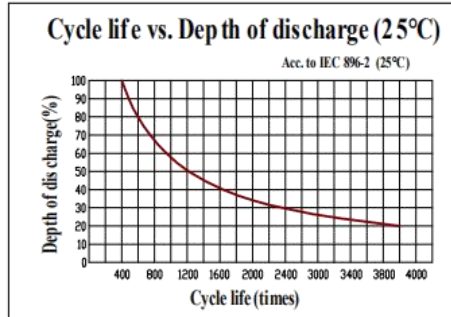
◆ Charging Characteristics



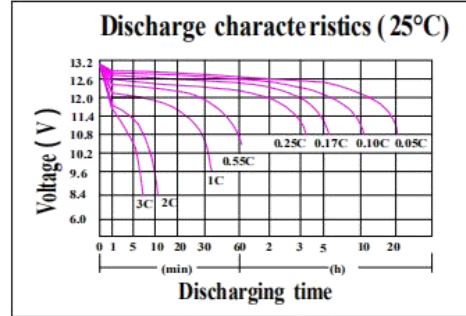
◆ Temperature Effect on designed service Life



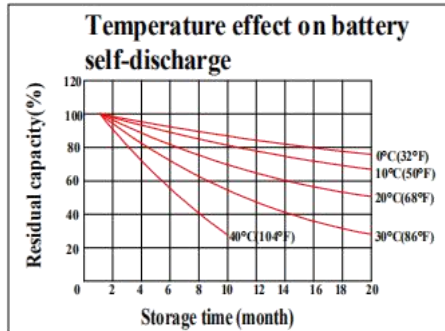
◆ Cycle Life VS. Depth of Discharge(25°C)



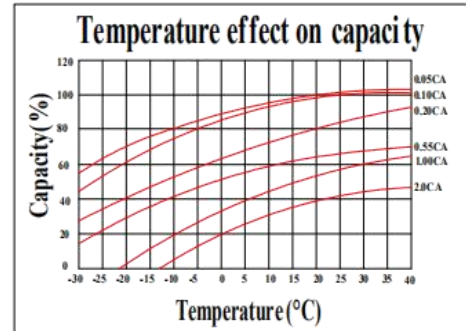
◆ Discharging Characteristics(25°C)



◆ Temperature Effect on self-discharge



◆ Temperature Effect on Capacity



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HTD SERIES DEEP CYCLE SWEEPER BATTERY

- ◆ specially designed for frequent high current deep discharge
- ◆ have excellent performance in high load situation
- ◆ are suitable for Sweeper, mobility scooters, golf buggies, etc.



Battery Construction

Component	Positive plate	Negative plate	Container & Cover	Safety valve	Terminal	Separator	Electrolyte	Pillar seal
Features	Thick high Sn low Ca grid with special paste	Balanced Pb-Ca grid for improved recombination efficiency	Fire resistance ABS UL94-V0	Flame Si-Rubber and aging resister	AP and Male stud M6/M8	Advanced AGM separator for high pressure cell design	Dilute high purity sulphuric acid	Two layers epoxy resin seal