SOLAR BATTERY

DEEP CYCLE AGM 2V SERIES

CSPOWER CL series solar batteries are designed to have a large amount of stored current discharged between charging sessions, with very heavy non-porous battery plates to withstand repeated major discharging and charging cycle (deep cycle). The CSPOWER deep cycle AGM battery uses a different chemistry for the plates active paste material, and a slightly stronger electrolyte than normal battery electrolyte, thus the CL range features 30% higher cyclic life with10-15 years of float life when compared to the standard Duration range.

Features

- **Capacity range:** 200 ~ 3000Ah
- **Voltage:** 2V
- **Low self-discharge rate:** ≤3% per month
- **High oxygen recombination efficiency:** ≥98%
- **Lifetime:** 10 ~ 25 years design lifetime in standby application at 25 ℃
- **Wide operation temperature range:** -15 ℃ ~ +45 ℃
- **Deep cycle performance:** up to 2100 cycles@30% DOD
- **Thick flat plate with high Tin low Calcium alloy**
- **Excellent deep discharge recovery capability**
- **30% more cyclic life through innovation at the PAM additives**

Applications

- Solar lighting systems
- Solar/wind energy storage systems
- Medical equipments
- DC power supply

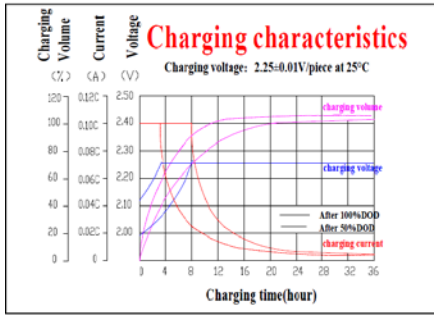
Specifications

CSPOWER MODEL	Voltage	Capacity	Dimension (mm)				Weight (kg)	Terminal	Bolt
	(V)	(Ah)	L	W	H	TH	(±3%)		
CL2-200	2	200/10HR	170	106	330	367	13	T5	M8×20
CL2-300	2	300/10HR	171	151	330	365	18.5	T5	M8×20
CL2-400	2	400/10HR	211	176	329	367	26.1	T5	M8×20
CL2-500	2	500/10HR	241	172	330	364	31	T5	M8×20
CL2-600	2	600/10HR	301	175	331	366	37.7	T5	M8×20
CL2-800	2	800/10HR	410	176	330	365	51.6	T5	M8×20
CL2-1000	2	1000/10HR	475	175	328	365	62	T5	M8×20
CL2-1200	2	1200/10HR	472	172	338	355	68.5	T5	M8×20
CL2-1500	2	1500/10HR	401	351	342	378	96.5	T5	M8×20
CL2-2000	2	2000/10HR	491	351	343	383	130	T5	M8×20
CL2-2500	2	2500/10HR	712	353	341	382	180	T5	M8×20
CL2-3000	2	3000/10HR	712	353	341	382	190	T5	M8×20

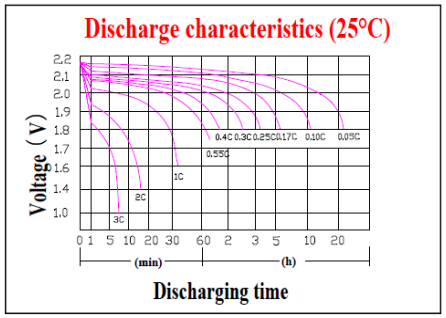
Products will be improved without notice, please contact sales for specification in kind prevail.

CHARACTERISTICS

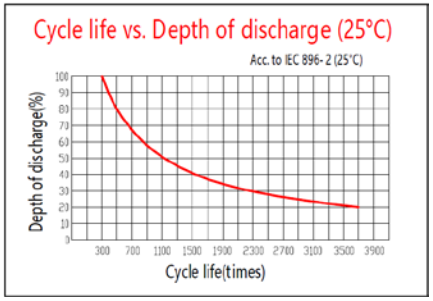
Charging Characteristics



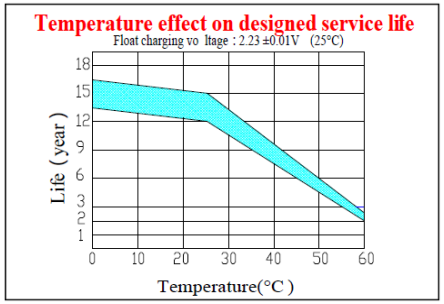
Discharging Characteristics(25℃)



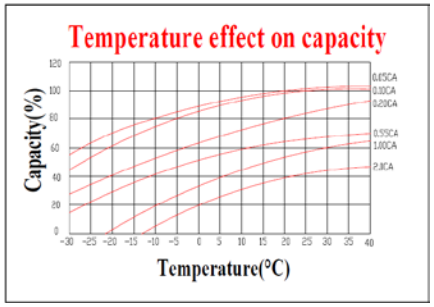
Cycle Life VS. Depth of Discharge(25℃)



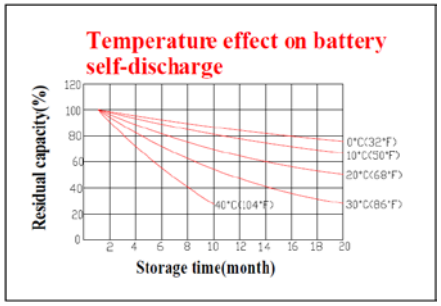
Temperature Effect on designed service Life



Temperature Effect on Capacity



Temperature Effect on battery self-discharge



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	ABS (UL94-V0)	Flame Si-Rubber and aging resistance	Female Copper Insert M8	Advanced AGM separator for high pressure cell design	Dilute high purity sulfuric acid	Two layers epoxy resin seal