TELECOM BATTERY

Front access GEL 12V SERIES

As a well renowned front access lead acid battery manufacturer in China, CSPOWER offers the widest selection of front access AGM batteries and GEL VRLA batteries. The gel technology has numerous superiorities over the equivalent AGM battery range, especially for telecommunication applications.
The FL type front terminal gel type telecom battery comes with long lasting design life and front access connections for fast, easy installation and maintenance, and is ideally suitable for telecom outdoor equipment, renewable energy systems and other severe environments.

Features

- **Capacity range:** 55 ~ 200Ah
- **Voltage:** 12V
- **Low self-discharge rate:** ≤3% per month
- **High oxygen recombination efficiency:** ≥98%
- **Lifetime:** 12 ~ 15 years design lifetime in standby application at 25 ℃
- **Wide operation temperature range:** -15 ℃ ~ +60 ℃
- **Deep cycle performance:** up to 1900 cycles@30% DOD
- **Front access terminal with standard width for 19" and 23" ETSI racks**
- **High rate discharge performance**
- **Deep discharging recovery ability**

Applications

- Telecom stations and power stations
- For standard 19 inches or 23 inches power cabinets
- Network connection equipment of communication systems

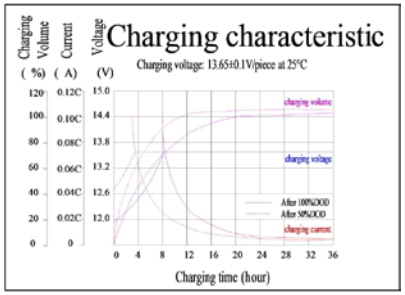
Specifications

CSPOWER MODEL	Voltage	Capacity	Dimension (mm)				Weight (kg)	Terminal	Bolt
	(V)	(Ah)	L	W	H	TH	(±3%)		
FL12-55	12	55/10HR	277	106	223	223	16.5	T2	M6×14
FL12-80	12	80/10HR	562	114	188	188	25.5	T3	M6×16
FL12-100	12	100/10HR	507	110	223	223	30	T4	M8×18
FL12-105/110	12	110/10HR	394	110	286	286	31	T4	M8×18
FL12-125	12	125/10HR	552	110	239	239	38.5	T4	M8×18
FL12-150	12	150/10HR	551	110	288	288	44.5	T4	M8×18
FL12-160	12	160/10HR	551	110	288	288	45	T4	M8×18
FL12-175	12	175/10HR	546	125	316	323.5	54	T5	M8×20
FL12-180	12	180/10HR	560	125	316	316	55.5	T5	M8×20
FL12-200B/A	12	200/10HR	560	125	316	316	57/58	T5	M8×20

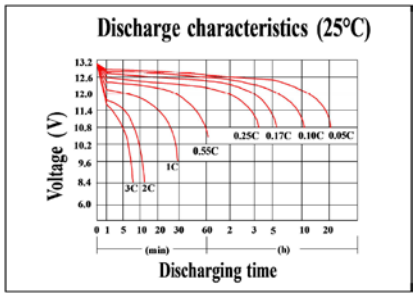
Products will be improved without notice, please contact sales for specification in kind prevail.

CHARACTERISTICS

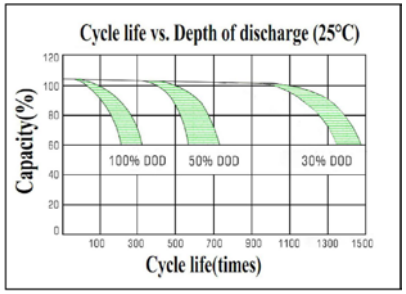
◆ Charging Characteristics



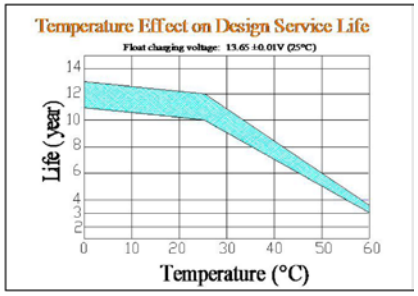
◆ Discharging Characteristics(25℃)



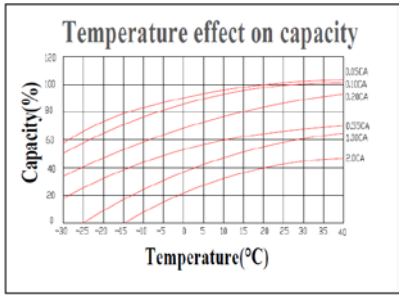
◆ Cycle Life VS. Depth of Discharge(25℃)



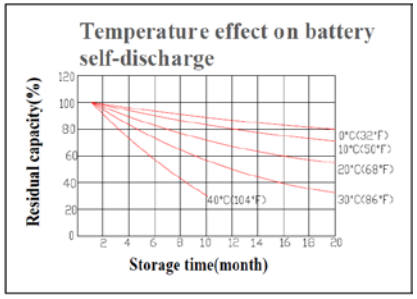
◆ Temperature Effect on designed service Life



◆ 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 recombinati on efficiency	Fire resistance ABS (UL94-V0 optional)	Flame Si-Rubber and aging resistance	Female Copper Insert M6/M8	Advanced AGM separator for high pressure cell design	Silicon Gel import from Germany Evonik	Two layers epoxy resin seal

Charging voltage and settings for stationary battery

- Constant voltage charging is recommended
- Float voltage range: 13.6 to 13.8 V/PC@ 20~25°C
- Cyclic application charge voltage : 14.4 to 14.9 V/PC @ 20~25°C
- Max. charge current allowable : 0.25C