

TELECOM BATTERY

FRONT TERMINAL AGM 12V SERIES

CSPower Front Terminal lead acid battery is mainly used in the area of communication, which is novel in design, reasonable in structure and occupying the leading position in the same industry of the world.

This AGM battery for telecom industry comes with slim shape design and front terminal connection. Thus, easy installation and maintenance can be ensured and space can be saved. Radial grid design plus tight assembly technology assures this rechargeable battery prominent high rate discharge performance.



Features

- **Capacity range:** 55 ~ 200Ah
- **Voltage:** 12V
- **Low self-discharge rate:** ≤3% per month
- **High oxygen recombination efficiency:** ≥98%
- **Lifetime:** 10~12 years design lifetime in standby application at 25 °C
- **Wide operation temperature range:** -15 °C ~ +45 °C
- **Deep cycle performance:** up to 1500 cycles@30% DOD
- **Thick flat plate with high Tin low Calcium alloy**
- **Fire resistance ABS containery**
- **Front access terminal with standard width for 19" and 23" ETSI racks;**



Applications



Telecom stations and power stations



For standard 19 inches or 23 inches power cabinets



Network connection equipment of communication systems

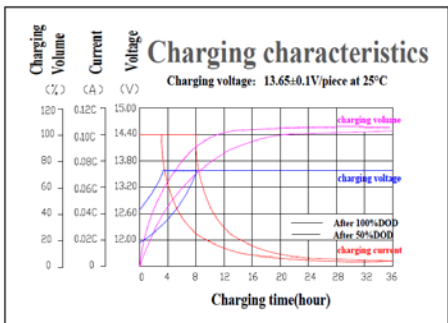


Specifications

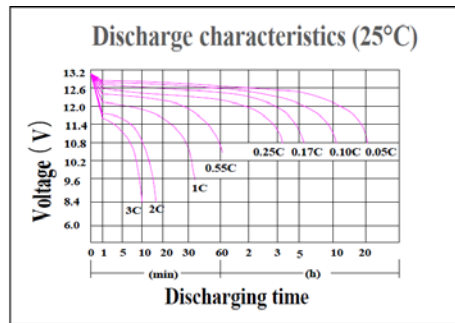
CSPower MODEL	Voltag e	Capacity (Ah)	Dimension (mm)				Weight (kg) (±3%)	Terminal	Bolt
	(V)		L	W	H	TH			
<u>FT12-55</u>	12	55/10HR	277	106	223	223	16	T2	M6×16
<u>FT12-80</u>	12	80/10HR	562	114	188	188	25	T3	M6×16
<u>FT12-100</u>	12	100/10HR	507	110	223	223	29.4	T4	M8×16
<u>FT12-105/110</u>	12	110/10HR	394	110	286	286	30.5	T4	M8×16
<u>FT12-125</u>	12	125/10HR	552	110	239	239	38	T4	M8×16
<u>FT12-150</u>	12	150/10HR	551	110	288	288	44	T4	M8×16
<u>FT12-160</u>	12	160/10HR	551	110	288	288	44.5	T4	M8×16
<u>FT12-175</u>	12	175/10HR	546	125	316	323.5	53.5	T5	M8×16
<u>FT12-180</u>	12	180/10HR	560	125	316	316	55	T5	M8×16
<u>FT12-200B/A</u>	12	200/10HR	560	125	316	316	57/58	T5	M8×16

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

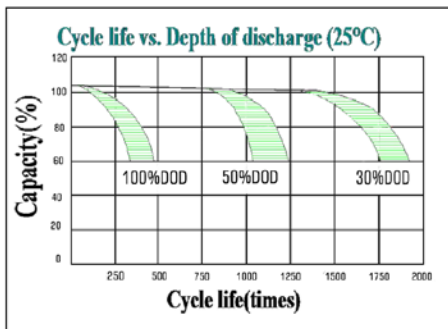
Charging Characteristics



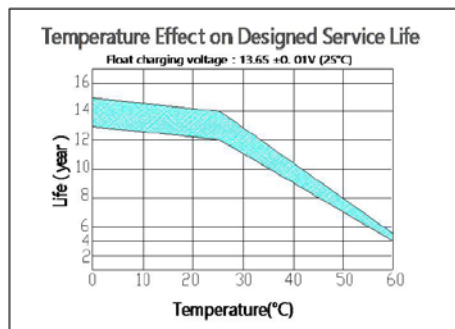
Discharging Characteristics(25°C)



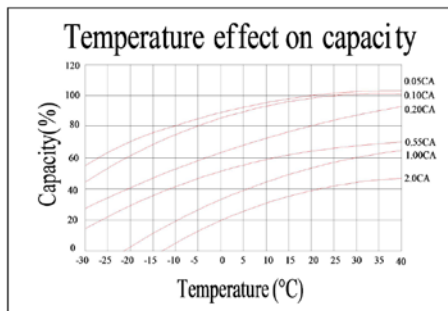
Cycle Life VS. Depth of Discharge(25°C)



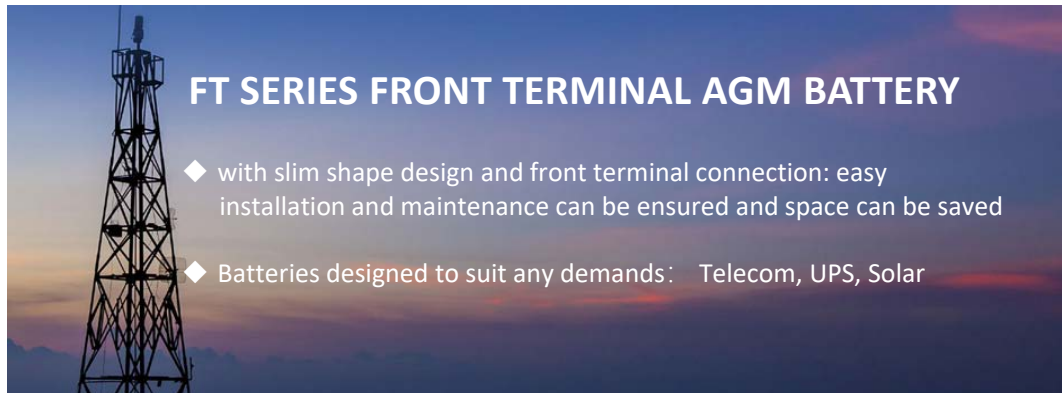
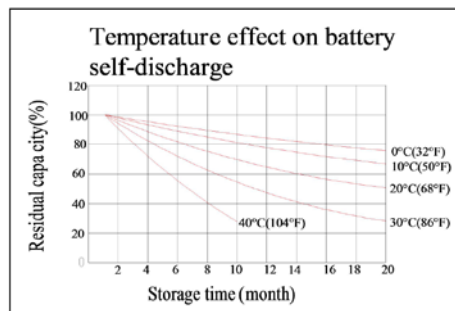
Temperature Effect on designed service life



Temperature Effect on Capacity



Temperature Effect on battery self-discharge



FT SERIES FRONT TERMINAL AGM BATTERY

- ◆ with slim shape design and front terminal connection: easy installation and maintenance can be ensured and space can be saved
- ◆ Batteries designed to suit any demands: Telecom, UPS, Solar

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 optional)	Flame Si-Rubber and aging resistance	Female Copper Insert M6/M8	Advanced AGM separator for high pressure cell design	Dilute high purity sulfuric acid	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

