

GENERAL FEATURES

- Environmentally friendly
- Can be used at vertical or horizontal orientation
- High Reliability and Good Quality
- High gas recombination efficiency
- High Power Density
- Maintenance-Free Operation

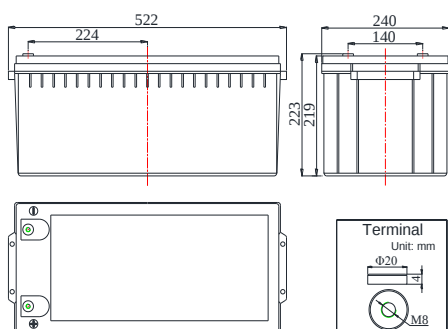
APPLICATIONS

- UPS & EPS
- Emergency lighting Systems
- Medical Equipment
- Cable TV Systems
- Alarm Systems
- Electric Test Equipment
- Solar Systems



DIMENSIONS & WEIGHT

Length(mm)	522±1
Width(mm)	240±1
Height(mm)	219±1
Total Height(mm)	223±1
Weight(kg)	58.2±3%



COMPLIED STANDARDS

IEC 60896-21/22	JIS C8704
YD/T799	BS6290 part4
GB/T 19638	UL 1989

TECHNICAL SPECIFICATIONS



Nominal Voltage		12V(6 cells per unit)
Design Floating Life @25℃		10 Years
Nominal Capacity @25℃ (10 hour rate@20.00A,10.80V)		200Ah
Capacity @25℃	20 hour rate (10.70A,10.5V)	214.0Ah
	5 hour rate (35.2A,10.5V)	176.0Ah
	1 hour rate (127.6A,9.6V)	127.6Ah
Internal Resistance	Full Charged Battery@25℃	≤3.5mΩ
Ambient Temperature	Discharge	-20℃~50℃
	Charge	-20℃~50℃
	Storage	-20℃~50℃
Max.Discharge Current@25℃		2000A(5s)
Capacity affected by Temperature (10 hr Capacity)	40℃	102%
	25℃	100%
	0℃	85%
	-15℃	65%
Self-Discharge@25℃ per Month		3%
Charge (Constant Voltage) @25℃	Standby Use	Initial Charging Current Less than 40A Voltage 13.6-13.8V
	Cycle Use	Initial Charging Current Less than 40A Voltage 14.4-14.9V

BATTERY DISCHARGE TABLE

Discharge Constant Current per Cell (Amperes at 25℃)

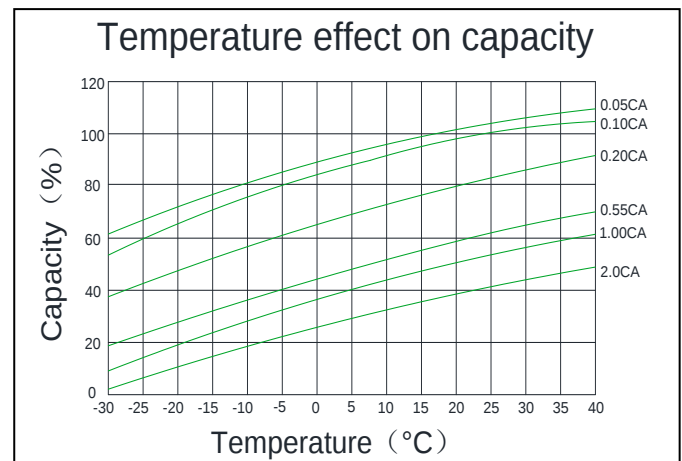
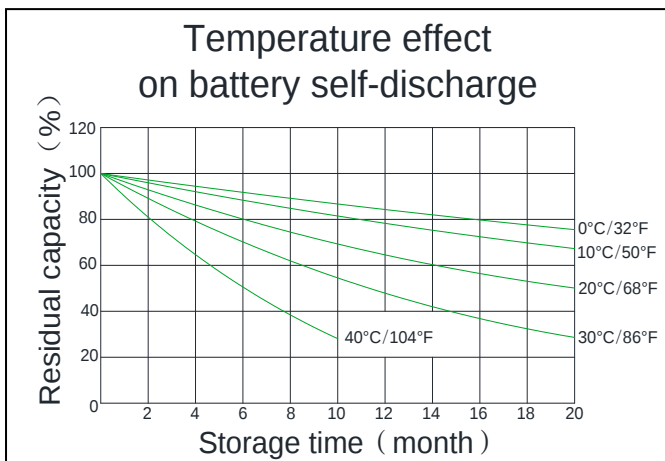
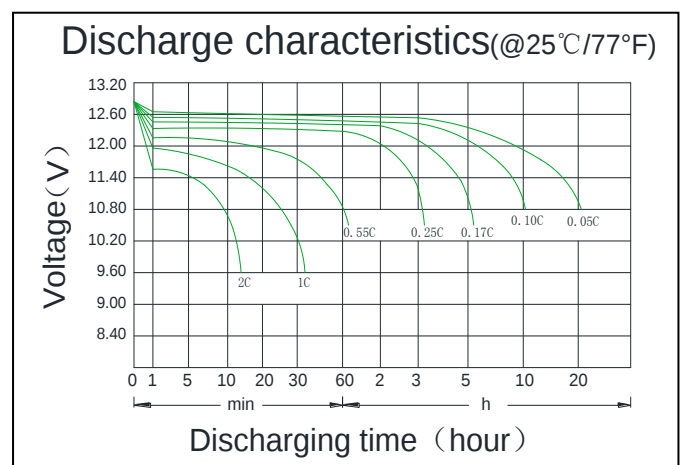
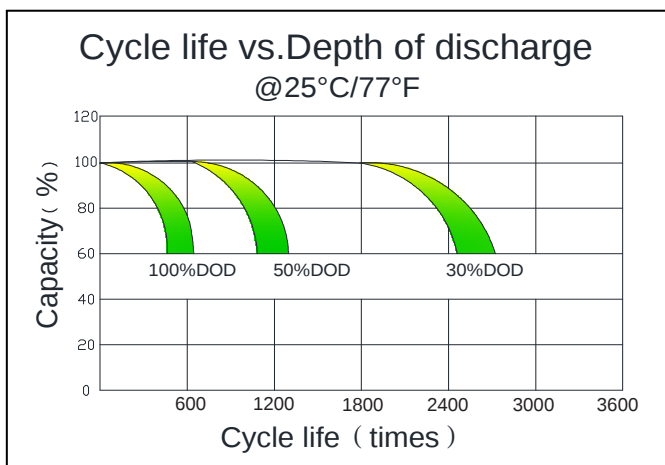
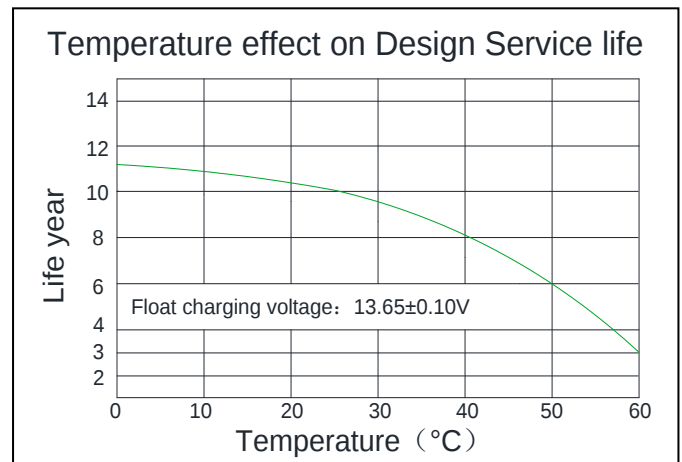
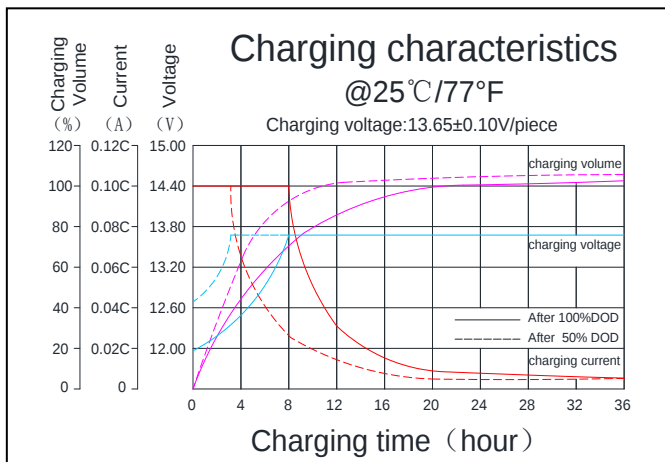
F.V/Time	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.60V	361.0	212.6	161.0	127.6	75.0	55.2	37.2	32.4	25.4	21.0	11.10
1.67V	341.0	201.4	154.8	123.8	72.6	53.4	36.6	31.8	25.2	20.6	11.00
1.70V	320.2	195.6	149.2	119.0	70.6	52.0	35.8	31.2	24.8	20.4	10.84
1.75V	300.0	187.0	142.6	114.2	68.8	50.8	35.2	30.6	24.4	20.2	10.70
1.80V	281.4	180.2	137.4	110.2	66.2	49.2	34.4	30.0	24.0	20.0	10.60

Discharge Constant Power per Cell (Watts at 25℃)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.60V	690.2	422.2	305.8	244.8	142.2	105.4	71.8	62.6	49.6	41.0	21.9
1.67V	660.4	395.8	295.4	238.2	138.4	102.6	70.6	61.6	49.2	40.6	21.8
1.70V	615.4	387.2	286.0	230.0	135.2	100.2	69.6	60.8	48.6	40.2	21.5
1.75V	577.4	368.6	274.6	221.6	132.0	98.2	68.6	59.8	48.0	39.8	21.3
1.80V	542.0	353.6	265.4	214.4	127.6	95.4	67.2	58.8	47.4	39.6	21.1

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact FARAN for the latest information.

PERFORMANCE CHARACTERISTICS



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 optional)	Flame Si-Rubbeand aging resistancer	Female Copper Inset M8(torque:1 0~12N.m)	Advanced PE separator for high pressure cell design	Dilute high purity GEL & sulphuric Acid	Two layers epoxy resin seal