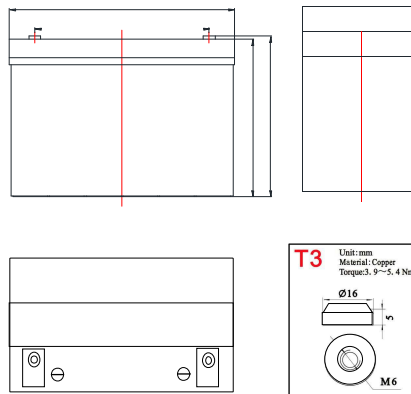


Product Image



Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		100Ah
Capacity 25°C (77°F)	10 hour rate (9.1A)	91.0Ah
	5 hour rate (15.9A)	79.5Ah
	1 hour rate (55.6A)	55.6Ah
Internal Resistance	Full Charged Battery 25°C	≤6.0mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	85%
	-15°C (5°F)	65%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	90%
	after 6 month storage	80%
	after 12 month storage	62%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current < 22.5A Voltage 13.6-13.8V
	Cycle	Initial Charging Current < 22.5A Voltage 14.4 – 14.9V

Packaging

DIMENSIONS & WEIGHT	Length	307 mm
	Width	169 mm
	Height	211 mm
	Total Height	215 mm
	Net Weight	30.2 kg±3%

COMPLIED STANDARDS

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

Discharge Constant Current per Cell (Amperes at 25°C)

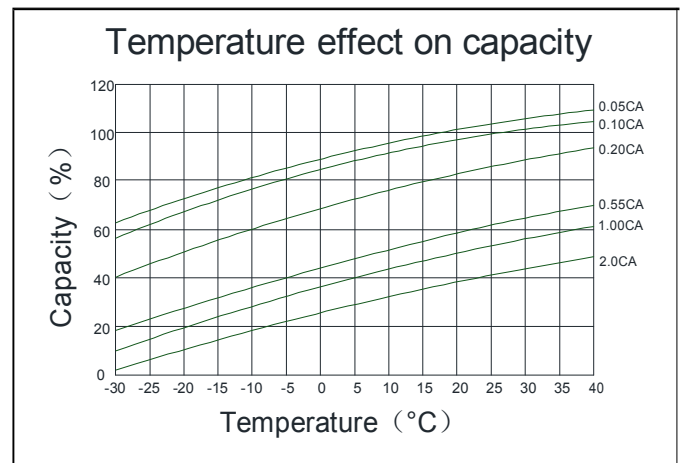
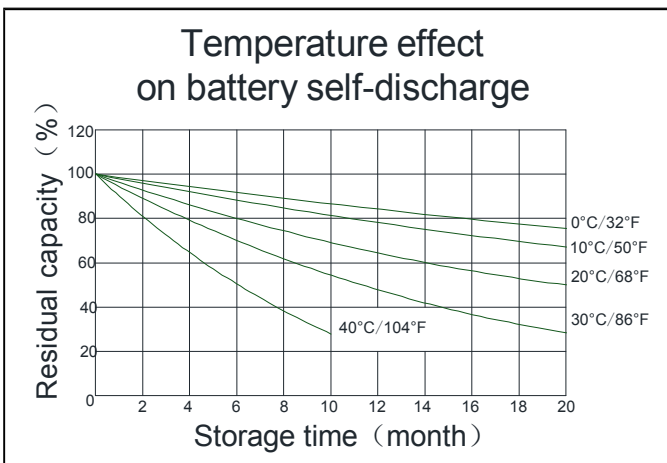
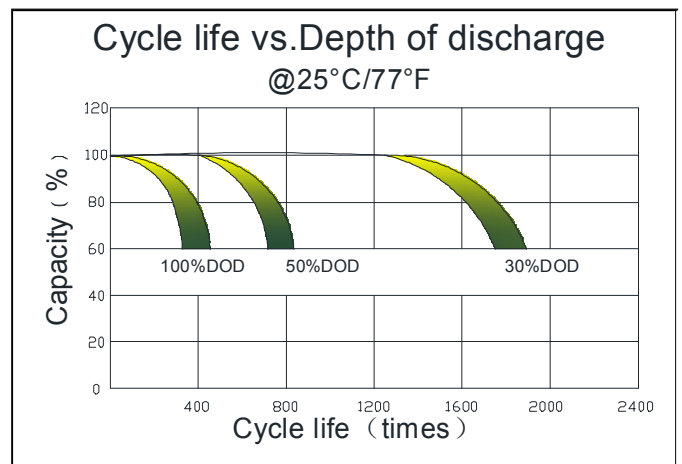
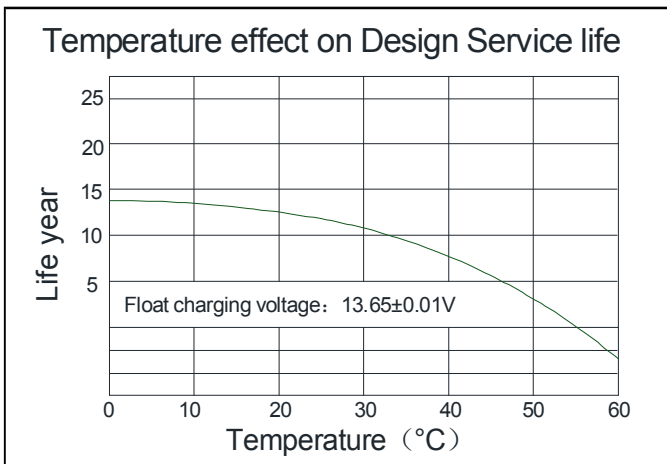
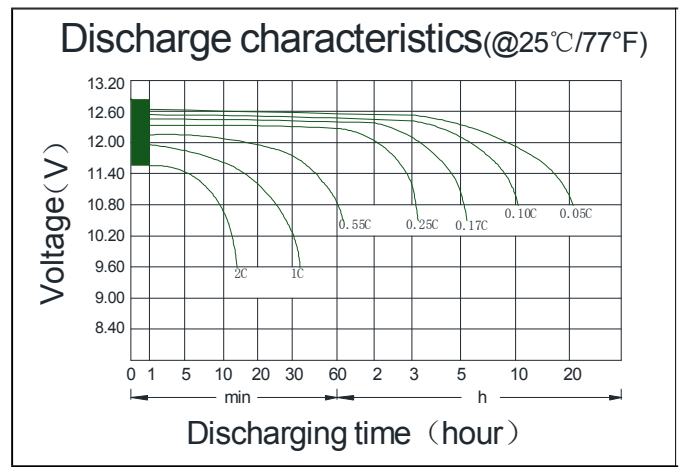
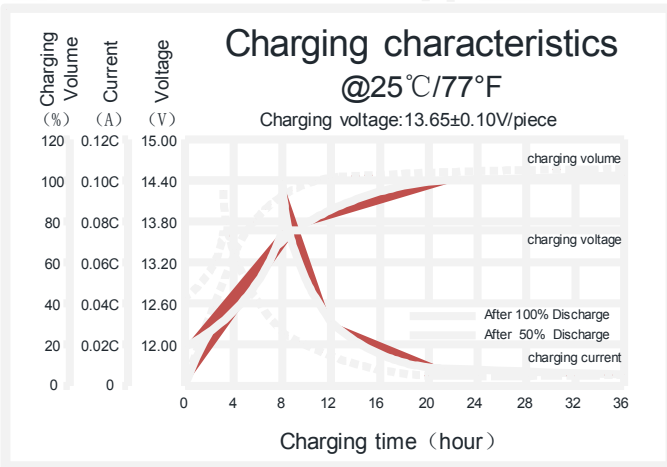
F.V/Tim	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	128.7	82.2	60.4	55.6	35.3	24.8	16.8	11.1	9.90	5.30	1.20
1.67V	126.4	80.7	59.3	54.5	34.6	24.3	16.5	10.9	9.70	5.20	1.18
1.70V	124.0	79.2	58.2	53.5	34.0	23.9	16.2	10.7	9.50	5.10	1.15
1.75V	121.7	77.7	57.1	52.5	33.3	23.4	15.9	10.5	9.40	5.00	1.13
1.80V	117.0	74.7	54.9	50.5	32.0	22.5	15.3	10.1	9.10	4.95	1.11

Discharge Constant Power per Cell (Watts at 25°C)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.60V	247.7	158.2	116.3	106.7	67.8	47.6	32.4	21.3	19.1	10.3	2.31
1.67V	243.2	155.3	114.1	104.8	66.6	46.8	31.8	21.0	18.7	10.1	2.26
1.70V	238.7	152.4	112.0	102.8	65.4	45.9	31.2	20.6	18.4	10.1	2.22
1.75V	234.2	149.5	109.9	100.9	64.1	45.0	30.6	20.2	18.0	9.9	2.18
1.80V	225.2	143.8	105.7	97.0	61.7	43.3	29.5	19.4	17.3	9.6	2.14

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 **SMA SRL** 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-Rubber and aging resistancer	Female Copper Insert M6 (torque: 4 ~6N.m)	Advanced AGM separator for high pressure cell design	Dilute high purity sulphuric acid	Two layers epoxy resin seal