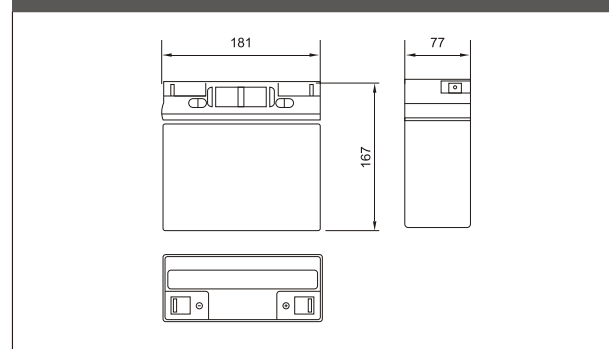




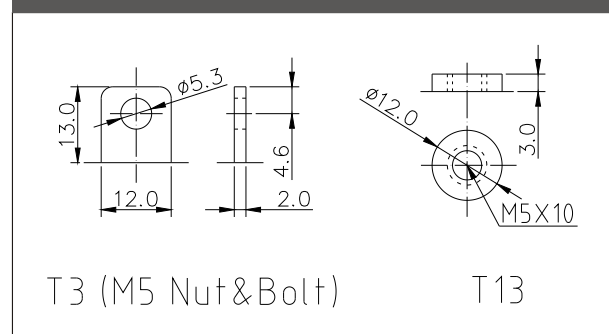
Outer dimensions (mm)



Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		18Ah
Dimensions	Total Height	167 mm (6.57 inches)
	Height	167 mm (6.57 inches)
	Length	181 mm (7.13 inches)
	Width	77 mm (3.03 inches)
Weight Approx		5.1 Kg (11.22 lbs)

Terminal Type (mm)



Characteristics

Capacity 25°C(77°F)	20 hour rate(0.9 A)	18.0 AH
	10 hour rate(1.66 A)	16.6 AH
	5 hour rate(3.06A)	15.3AH
	1 hour rate(10.8 A)	10.8 AH
	1.5 hour discharge to 10.5V	6.8 A
Internal Resistance	Full charged Battery at 25°C(77°F)	13.0 m Ω
Capacity affected by Temperature (20hour rate)	40°C(104°F)	102%
	25°C(77°F)	100%
	0°C(32°F)	85%
	-15°C(5°F)	65%
Self-Discharge at 25 °C(77 °F)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Terminal	T3, T13	
Charge (constant Voltage)	Cycle	Initial Charging Current less than 5.4 A. Voltage 14.10-14.40V
	Float	Voltage 13.50-13.80V
Design Life	7 Years(Float charging)	

Construction

Component	Positive plate	Negative plate	Container	cover
Raw material	Lead dioxide	Lead	ABS (V0/HB)	ABS (V0/HB)
Component	Separator	Electrolyte	Safety valve	Terminal
Raw material	AGM	SiO2 Gel	Rubber	Cu coated by Ag

High Sn positive plate, SiO2 Gel electrolyte.

Product Compliance

IEC: 60896-21/22:2004; BS: 6290 part 4;
 GB/T: 19639-2014; EUROBAT; CE
 JIS: CB704-1:2006;

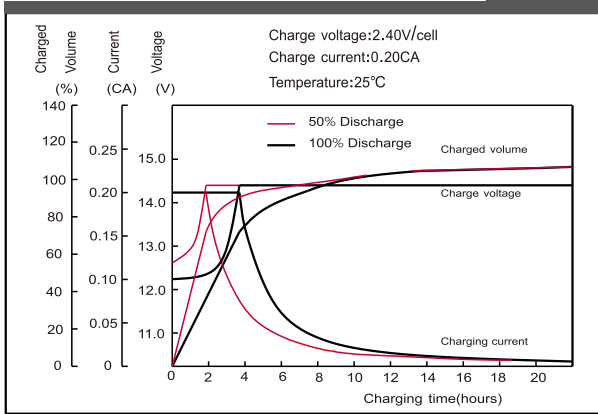
Company Certificates

ISO: 9001:2005
 ISO: 14001:2015
 OHSAS: 18001:2007

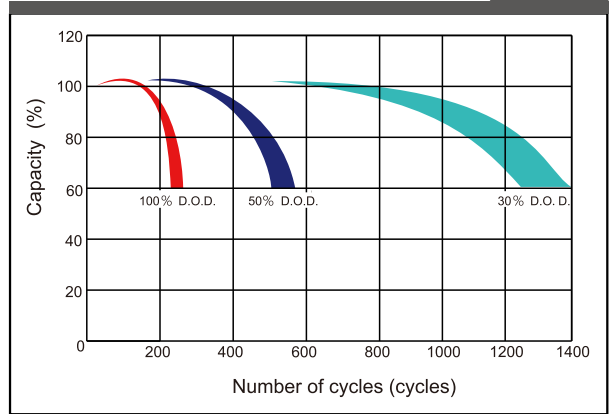
Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	64.8	42.5	31.5	20.7	10.80	6.30	4.64	3.72	3.16	2.08	1.70	0.93
	W	764.2	480.0	363.0	219.7	124.5	72.9	53.63	43.05	36.53	24.08	19.72	10.80
10.20V	A	59.4	40.6	28.9	19.7	10.14	6.04	4.50	3.60	3.10	2.05	1.67	0.91
	W	719.2	454.5	341.2	218.3	117.0	70.0	52.12	41.70	35.85	23.70	19.35	10.50
10.50V	A	54.1	38.0	27.0	19.0	9.81	5.93	4.42	3.42	3.06	2.03	1.66	0.90
	W	694.5	441.0	326.3	216.0	113.5	68.6	51.22	39.60	35.63	23.48	19.20	10.43
10.80V	A	52.0	36.3	25.2	18.5	9.48	5.77	4.35	3.36	2.93	1.97	1.61	0.88
	W	609.0	427.5	314.2	215.2	110.3	67.2	50.63	39.11	34.05	22.50	18.75	10.20
11.10V	A	48.1	34.2	23.4	18.0	9.15	5.63	4.13	3.30	2.80	1.92	1.58	0.86
	W	588.7	413.2	299.3	213.8	108.8	66.7	49.13	39.00	33.30	21.75	18.37	10.13

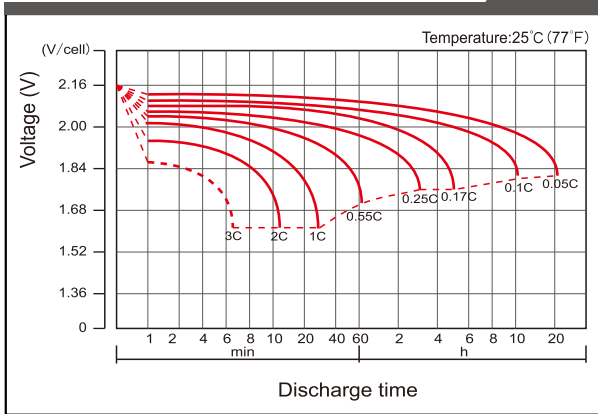
Charging Characteristics (25°C)



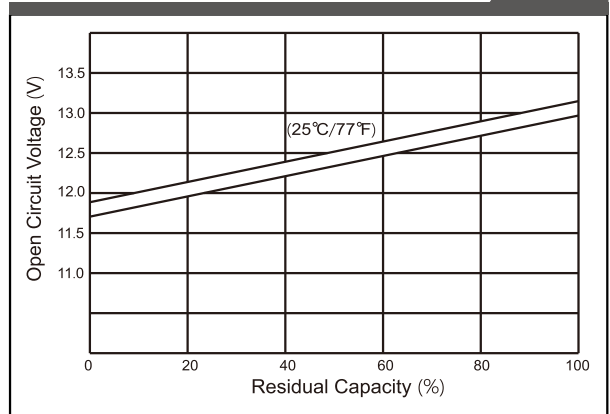
Cycle Life In Relation To Depth Of Discharge



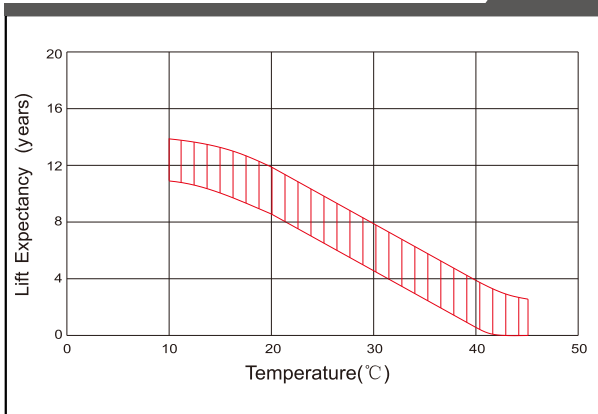
Discharge Characteristics Curve



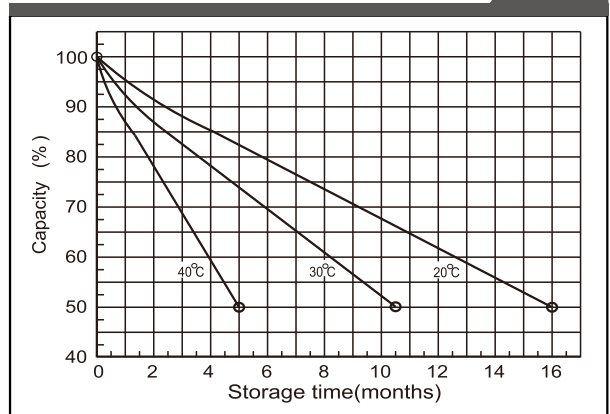
The Relationship of OCV and Capacity (25°C)



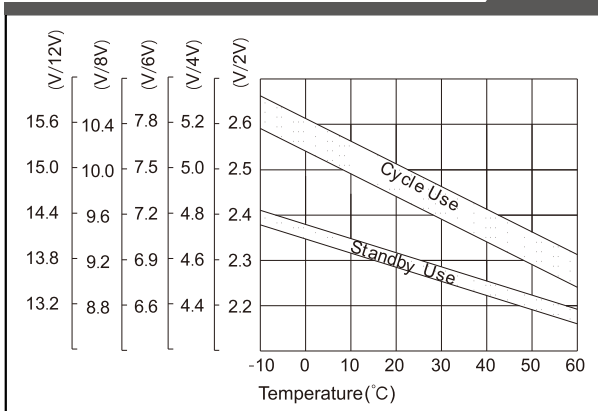
Floating Life On Temperature



Self-discharge Characteristics



Charging Voltage VS Temperature



Temperature Effects On Capacity

