

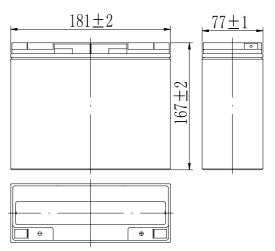
YG12018.0(12V18Ah)

Specifications

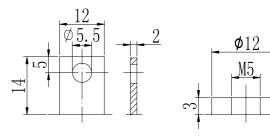
Specifications									
Nomin	al V	oltage	12 V						
G :	20HR(10.5V)		18Ah						
Capacity (25 C)	10	OHR(10.5V)	16.7Ah						
	1	HR(9.60V)	11.7Ah						
		Length	181 ± 2mm (7.13inch)						
Dimension		Width	77±1mm (3.03inch)						
Difficusion		Height	167±2mm (6.57inch)						
	Т	Total Height	167±2mm (6.57inch)						
Appro	x. V	Veight	$5.3 \text{kg} (11.7 \text{lbs}) \pm 4\%$						
Term	inal	type	T3/T8						
Internal (Fully ch			Approx. 16m Ω						
Capacity		40 C	102%						
affected by		25 C	100%						
temperature	•	0 C	85%						
(20HR)		-15 C	65%						
0.10.1: 1		3 month	Remaining Capacity: 91%						
Self-discharge (25 °C)		6 month	Remaining Capacity: 82%						
(23 0)		12 month	Remaining Capacity: 65%						
Nomina temp	-	_	25 C ±3 C(77 F ±5 F)						
Operating		Discharge	-15 ▲ 50 C(5 承 122 F)						
temperature		Charge	-10 △ 50 C(14 ⋌ 122 F)						
range		Storage	-20 △ 50 C(-4 ⋌ 122 F)						
Float chargin	ıg vo	oltage(25 C)	13.60 to 13.80V Temperature compensation: -18mV/ C						
Cyclic charging	ng v	roltage(25 C)	14.50 to 14.90V Temperature compensation: -30mV/ C						
Maximum c	harg	ging current	5.4A						
Termin	al m	aterial	Copper						
Maximum d	isch	arge current	270A(5 sec.)						
Designed flo	atin	g life(20 C)	10years						

- ♦ Absorbent glass mat technology;
- ◆ Recognized by UL & CE;
- ◆ ABS container.

Dimensions



Terminal



Terminal T3

Terminal T8

Constant Current Discharge Characteristics (A. 25\mathcal{L})

(1.1) = (1.1)											
F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	43.2	34.2	19.1	11.7	6.39	4.59	3.67	3.12	2.02	1.70	0.91
9.90V	41.9	33.4	18.7	11.5	6.36	4.56	3.65	3.10	2.01	1.69	0.91
10.2V	40.2	32.1	18.1	11.2	6.30	4.53	3.63	3.08	1.99	1.68	0.91
10.5V	38.4	31.1	17.7	11.0	6.21	4.50	3.60	3.06	1.98	1.67	0.90
10.8V	36.3	29.4	17.0	10.7	6.05	4.37	3.49	2.97	1.92	1.64	0.88

Constant Power Discharge Characteristics (Watt, 25£)

F.V/TIME	10min	15min	30min	60min	2h	3h	4h	5h	8h	10h	20h
9.60V	487	390	219	135	74.8	54.5	43.7	37.3	24.2	20.4	11.0
9.90V	473	381	214	133	74.4	54.2	43.5	37.0	24.1	20.3	10.9
10.2V	453	366	208	130	73.7	53.8	43.2	36.8	23.9	20.2	10.9
10.5V	434	354	203	127	72.6	53.5	42.9	36.5	23.8	20.1	10.8
10.8V	409	335	195	124	70.8	51.9	41.6	35.4	23.0	19.7	10.6

Note: The above characteristics data can be obtained within three charge/discharge cycles.

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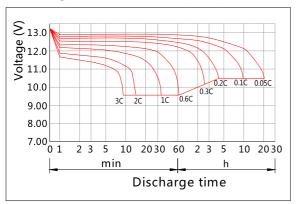




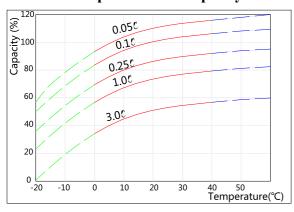




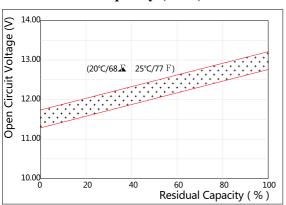
Discharge Characteristics $(25\mathcal{L})$



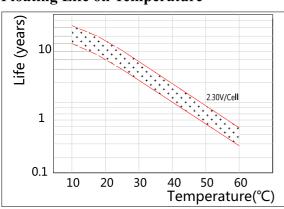
Effect of Temperature on Capacity



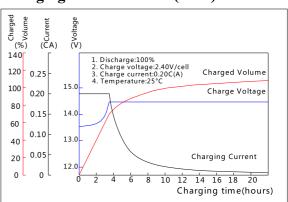
The Relationship for Open Circuit Voltage and Residual Capacity (25£)



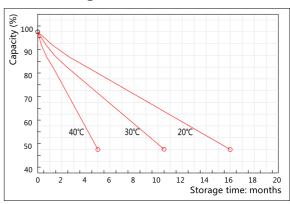
Floating Life on Temperature



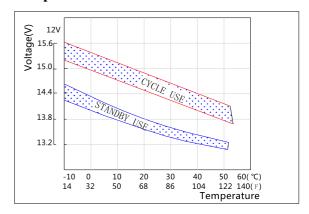
Charging Characteristics $(25\mathcal{L})$



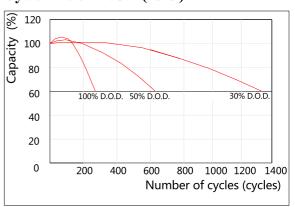
Self-discharge Characteristics



The Relationship for Charging Voltage and **Temperature**



Cycle Life on D.O.D(25 \mathcal{L})



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