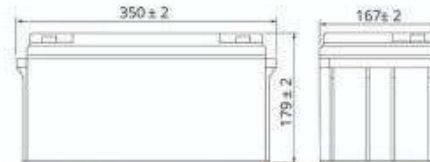


NOMINAL VOLTAGE		12V
Capacity (25°C)	20HR (10.5V)	65Ah
	5HR (10.2V)	50.5Ah
	1HR (9.6V)	37.8Ah
Dimension	Length	350± 2mm (13.78 inch)
	Width	167± 2mm (6.57 inch)
	Height	179± 2mm (7.05 inch)
	Total Height	179± 2mm (7.05 inch)
Approx. Weight		22 kg (48.4 lbs) ± 4%
Terminal Type		T9
Internal Resistance (Full 25°C)		Approx. 6.5m
Capacity affected by temperature 10 HR	40°C	103%
	25°C	100%
	0°C	88%
	-15°C	70%
Self-discharge (25°C)	3 months	Remaining Capacity 94%
	6 months	Remaining Capacity 88%
	12 months	Remaining Capacity 75%
Nominal operating temperature		25°C ± 3°C (77°F ± 5°F)
Operating temperature range	Discharge	-15°C – 55°C (5°F – 131°F)
	Charge	-10°C – 55°C (14°F – 131°F)
	Storage	-20°C – 55°C (-4°F – 131°F)



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Float charging voltage (25°C) 13.50 to 13.80 V
Temperature compensation: -18mV/°C

Cyclic charging voltage (25°C) 14.10 to 14.40 V
Temperature compensation: -30mV/°C

Maximum charging current 13.0A
Terminal material Copper
Maximum discharge current 60A (5 sec.)
Designed floating life (20°C) 15 years

- Gelled electrolyte technology;
- PVC separator;
- Recognized by UL & CE;
- ABS container.

CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A, 25°C)

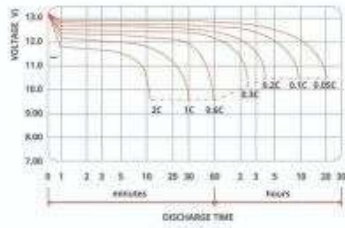
F.V/TIME	15 Mins	30 Mins	60 Mins	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr	48 Hr	120 Hr
9.60V	87.8	60.6	37.8	22.1	15.6	12.3	10.3	8.78	6.83	6.09	3.32	-	-
9.90V	85.8	59.3	37.2	22.0	15.5	12.2	10.2	8.71	6.76	6.08	3.32	-	-
10.2V	82.6	57.5	36.3	21.8	15.4	12.1	10.1	8.65	6.76	6.06	3.31	1.45	-
10.5V	80.0	56.2	35.6	21.5	15.3	12.0	10.1	8.58	6.70	6.02	3.25	1.44	0.60
10.8V	75.4	54.1	34.5	20.9	14.8	11.6	9.75	8.32	6.49	5.98	3.25	1.44	0.60

CONSTANT POWER DISCHARGE CHARACTERISTICS (WATT, 25°C)

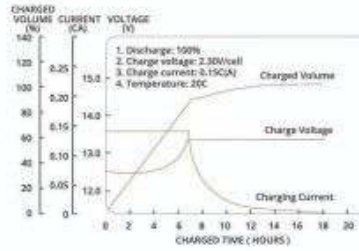
F.V/TIME	15 Mins	30 Mins	60 Mins	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr	48 Hr	120 Hr
9.60V	980	690	436	257	184	145	122	104	81.3	72.8	40.0	-	-
9.90V	956	677	429	255	183	144	122	103	81.3	72.8	40.0	-	-
10.2V	920	656	419	254	182	143	120	103	80.6	72.8	39.8	17.4	-
10.5V	889	640	410	250	181	142	120	102	80.0	72.2	39.2	17.3	7.22
10.8V	842	617	397	243	175	138	116	98.8	77.4	71.5	93.3	17.3	7.15

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

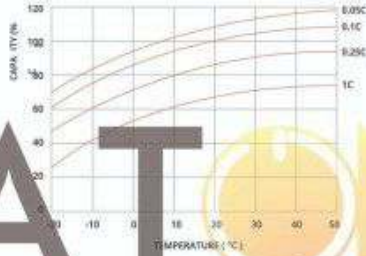
DISCHARGE CHARACTERISTICS (25°C)



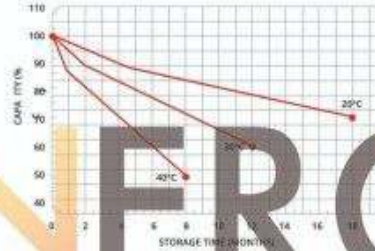
CHARGING CHARACTERISTICS (25°C)



EFFECT OF TEMPERATURE ON CAPACITY

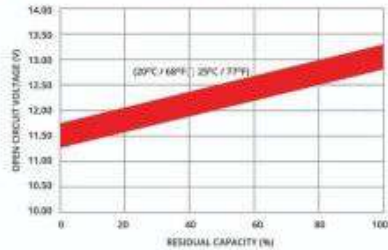


SELF DISCHARGE CHARACTERISTICS

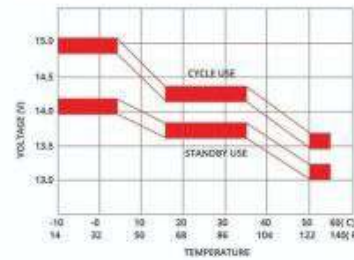


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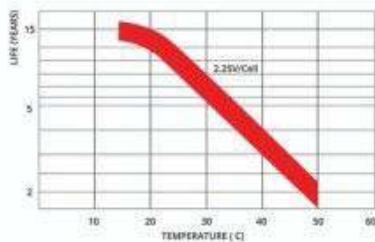
THE RELATIONSHIP FOR OPEN CIRCUIT VOLTAGE



THE RELATIONSHIP FOR CHARGING VOLTAGE AN TEMPERATURE



FLOATING LIFE ON TEMPERATURE



CYCLE LIFE ON D.O.D (25°C)

