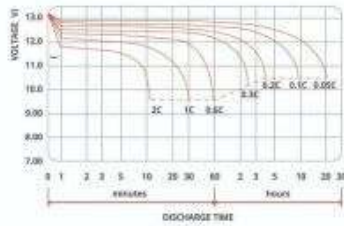
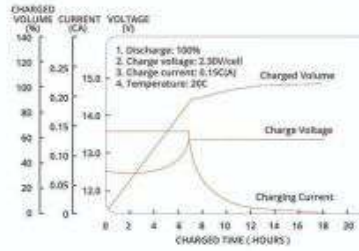


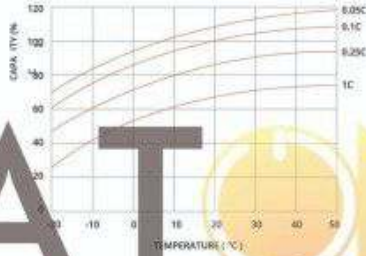
**DISCHARGE CHARACTERISTICS (25°C)**



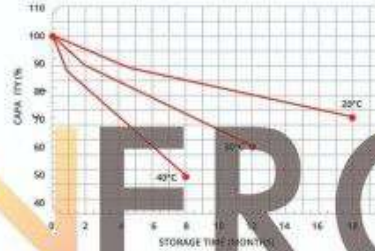
**CHARGING CHARACTERISTICS (25°C)**



**EFFECT OF TEMPERATURE ON CAPACITY**

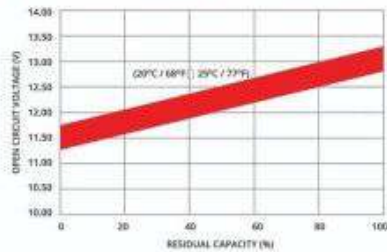


**SELF DISCHARGE CHARACTERISTICS**

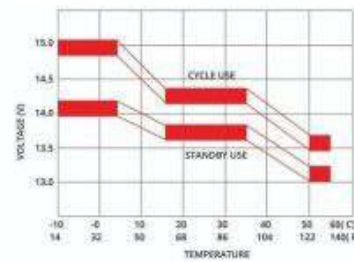


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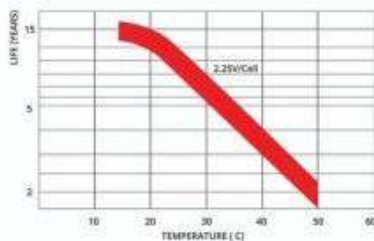
**THE RELATIONSHIP FOR OPEN CIRCUIT VOLTAGE**



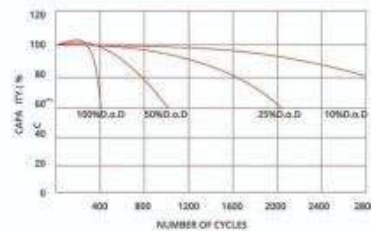
**THE RELATIONSHIP FOR CHARGING VOLTAGE AND TEMPERATURE**



**FLOATING LIFE ON TEMPERATURE**



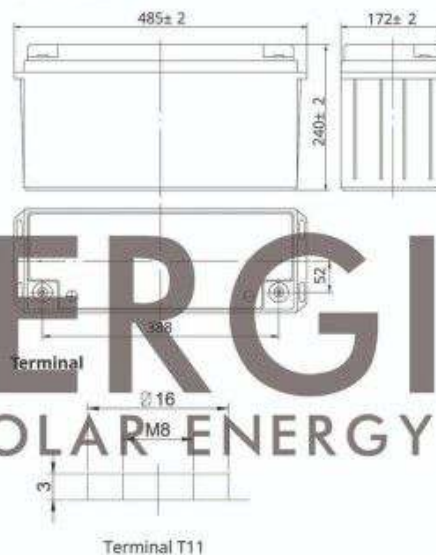
**CYCLE LIFE ON D.O.D (25°C)**



NOMINAL VOLTAGE		12V
Capacity (25°C)	20HR (10.5V)	150Ah
	5HR (10.2V)	116.5Ah
	1HR (9.6V)	87.3Ah
Dimension	Length	485± 2mm (19.09 inch)
	Width	172± 2mm (6.77 inch)
	Height	240± 2mm (9.45 inch)
	Total Height	240± 2mm (9.45inch)
Approx. Weight		44 kg (96.8 lbs) ± 4%
Terminal Type		T11
Internal Resistance (Full 25°C)		Approx. 4.2m
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)

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	30A
Terminal material	Copper
Maximum discharge current	100A (5 sec)
Designed floating life (20°C)	15 years

**Dimensions**



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- 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	203	140	87.3	51.0	36.0	28.3	23.7	20.2	15.8	14.0	7.67	-	-
9.90V	198	137	86.0	50.7	35.7	28.1	23.6	20.1	15.7	14.0	7.65	-	-
10.2V	190	133	83.8	50.3	35.5	27.9	23.4	19.9	15.6	14.0	7.63	3.35	-
10.5V	184	130	82.1	49.5	35.3	27.8	23.3	19.8	15.5	13.9	7.50	3.32	1.50
10.8V	174	125	79.6	48.2	34.2	26.9	22.6	19.2	15.0	13.8	7.53	3.32	1.50

**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	2260	1594	1006	594	425	335	282	240	188	169	92.4	-	-
9.90V	2206	1562	991	590	422	333	280	239	187	168	92.3	-	-
10.2V	2124	1514	965	585	420	330	278	237	186	168	92.0	40.1	-
10.5V	2052	1477	946	576	417	328	276	235	184	167	90.4	39.8	16.6
10.8V	1944	1423	917	562	404	318	268	228	179	166	90.8	39.8	16.5

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