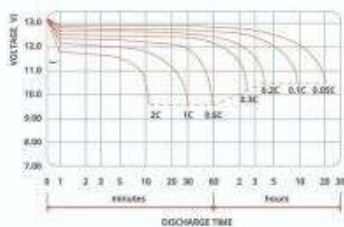
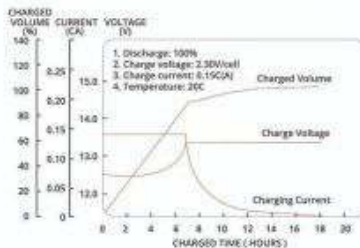


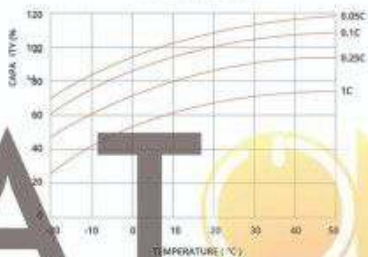
**DISCHARGE CHARACTERISTICS (25°C)**



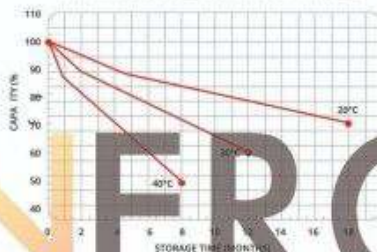
**CHARGING CHARACTERISTICS (25°C)**



**EFFECT OF TEMPERATURE ON CAPACITY**

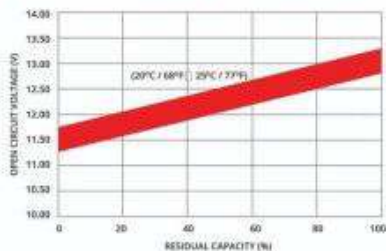


**SELF DISCHARGE CHARACTERISTICS**

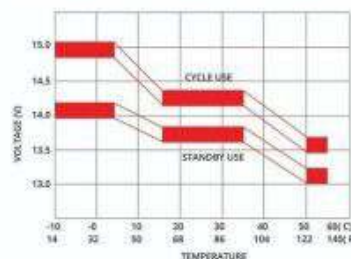


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TURN ON YOUR SOLAR ENERGY

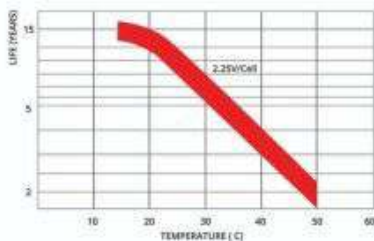
**THE RELATIONSHIP FOR OPEN CIRCUIT VOLTAGE**



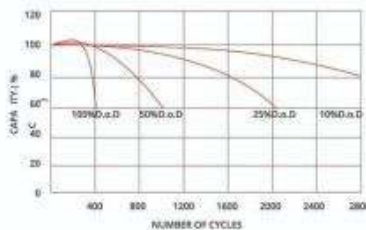
**THE RELATIONSHIP FOR CHARGING VOLTAGE AN TEMPERATURE**



**FLOATING LIFE ON TEMPERATURE**

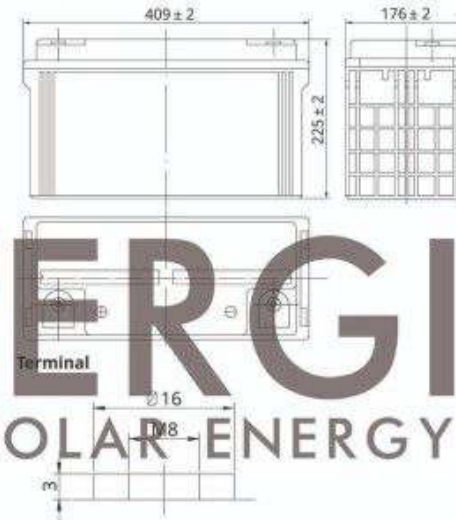


**CYCLE LIFE ON D.O.D (25°C)**



NOMINAL VOLTAGE		12V
Capacity (25°C)	20HR (10.5V)	120Ah
	5HR (10.2V)	93.5 Ah
	1HR (9.6V)	69.8Ah
Dimension	Length	409± 2mm (16.1 inch)
	Width	176± 2mm (6.93 inch)
	Height	225± 2mm (8.86 inch)
	Total Height	225± 2mm (8.86inch)
Approx. Weight		37 kg (81.6 lbs) ± 4%
Terminal Type		T11
Internal Resistance (Full 25°C)		Approx. 4.4m
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 – 50°C (5°F – 131°F)
	Charge	-10°C – 50°C (14°F – 131°F)
	Storage	-20°C – 50°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		24A
Terminal material		Copper
Maximum discharge current		100A (5 sec)
Designed floating life (20°C)		15 years

**Dimensions**



Terminal T11

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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	162	111.8	69.8	40.8	28.8	22.5	19.0	16.2	12.6	11.2	6.13	-	-
9.90V	158	109.6	68.8	40.6	28.6	22.5	18.9	16.1	12.5	11.2	6.12	-	-
10.2V	152	106.2	67.0	40.2	28.4	22.4	18.7	16.0	12.4	11.2	6.10	2.68	-
10.5V	147	103.7	65.7	39.6	28.2	22.2	18.6	15.8	12.4	11.1	6.00	2.66	1.21
10.8V	139	99.9	63.7	38.6	27.4	21.5	18.0	15.4	12.0	11.0	6.02	2.66	1.21

**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	1808	1275	805	475	340	268	225	192	151	135	74.0	-	-
9.90V	1765	1249	792	472	338	266	224	191	150	135	73.8	-	-
10.2V	1699	1211	772	468	336	264	223	189	149	134	73.6	32.1	-
10.5V	1642	1182	757	461	333	262	221	188	148	133	72.3	31.9	13.3
10.8V	1555	1139	734	449	323	255	214	183	143	132	72.6	31.9	13.2

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