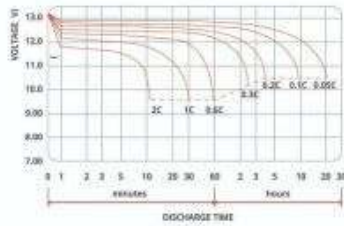
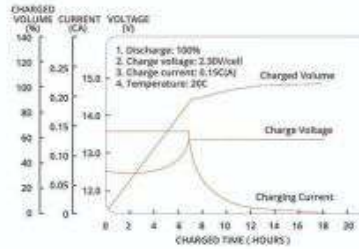


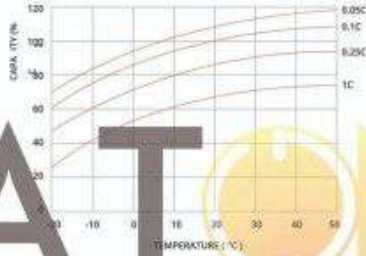
**DISCHARGE CHARACTERISTICS (25°C)**



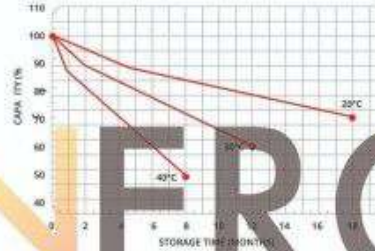
**CHARGING CHARACTERISTICS (25°C)**



**EFFECT OF TEMPERATURE ON CAPACITY**

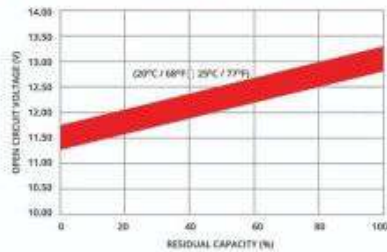


**SELF DISCHARGE CHARACTERISTICS**

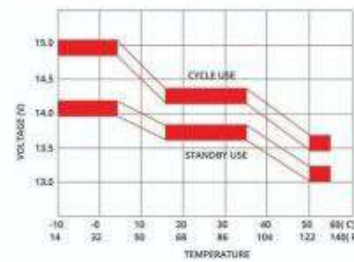


**ATONERGI**  
TURN ON YOUR SOLAR ENERGY

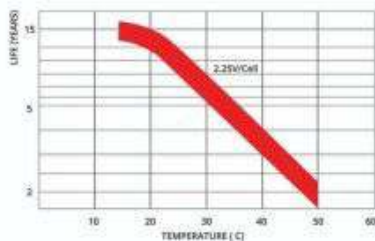
**THE RELATIONSHIP FOR OPEN CIRCUIT VOLTAGE**



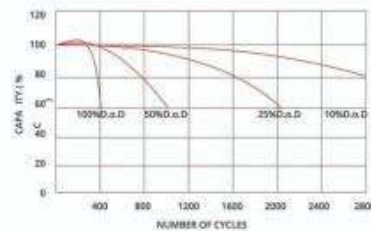
**THE RELATIONSHIP FOR CHARGING VOLTAGE AN TEMPERATURE**



**FLOATING LIFE ON TEMPERATURE**



**CYCLE LIFE ON D.O.D (25°C)**

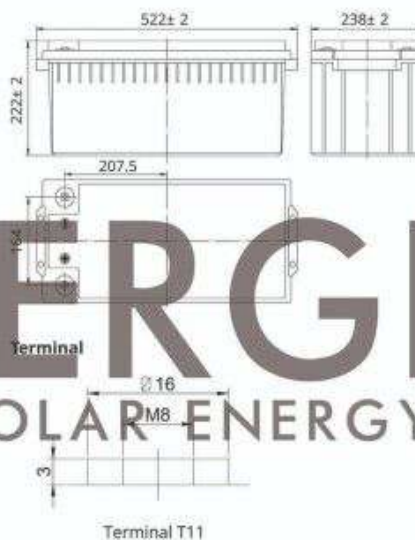


NOMINAL VOLTAGE		12V
Capacity (25°C)	20HR (10.5V)	200Ah
	5HR (10.2V)	156Ah
	1HR (9.6V)	116Ah
Dimension	Length	522± 2mm (20.55 inch)
	Width	238± 2mm (9.37 inch)
	Height	222± 2mm (8.74inch)
	Total Height	222± 2mm (8.74inch)
Approx. Weight		66 kg (145.2 lbs) ± 4%
Terminal Type		T11
Internal Resistance (Full 25°C)		Approx. 3.3m
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	40A
Terminal material	Copper
Maximum discharge current	1000 (5 sec)
Designed floating life (20°C)	15 years

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

**Dimensions**



**TURN ON YOUR SOLAR ENERGY**

**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	270	186	116	68.0	48.0	37.8	31.6	27.0	21.0	18.7	10.2	-	-
9.90V	264	183	115	67.6	47.6	37.6	31.4	26.8	20.8	18.7	10.2	-	-
10.2V	254	177	112	67.0	47.4	37.2	31.2	26.6	20.8	18.6	10.2	4.46	-
10.5V	246	173	110	66.0	47.0	37.0	31.0	26.4	20.6	18.5	10.0	4.43	1.84
10.8V	232	166	106	64.4	45.6	35.8	30.0	25.6	20.0	18.4	10.0	4.43	1.84

**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	3014	2124	1340	792	566	446	376	320	250	224	123	-	-
9.90V	2940	2082	1320	786	564	444	374	318	250	224	123	-	-
10.2V	2832	2018	1288	780	560	440	370	316	248	224	123	53.5	-
10.5V	2736	1970	1262	768	556	438	368	314	246	222	121	53.2	22.2
10.8V	2592	1898	1222	748	538	424	358	304	238	220	121	53.2	22.0

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