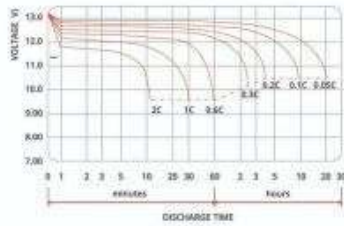
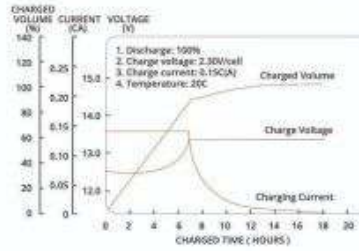


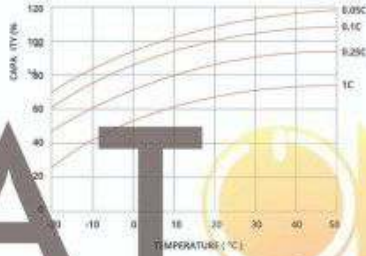
DISCHARGE CHARACTERISTICS (25°C)



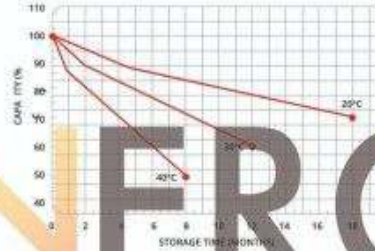
CHARGING CHARACTERISTICS (25°C)



EFFECT OF TEMPERATURE ON CAPACITY

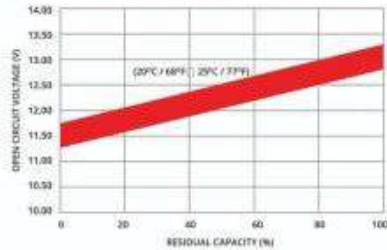


SELF DISCHARGE CHARACTERISTICS

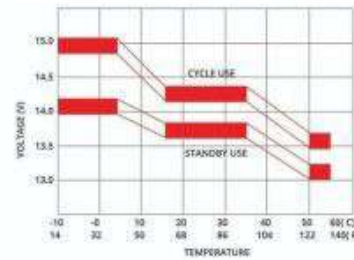


ATONERGI
TURN ON YOUR SOLAR ENERGY

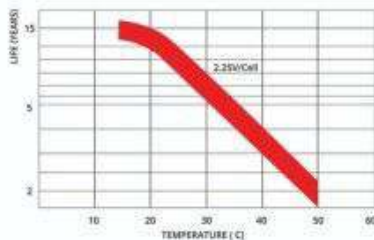
THE RELATIONSHIP FOR OPEN CIRCUIT VOLTAGE



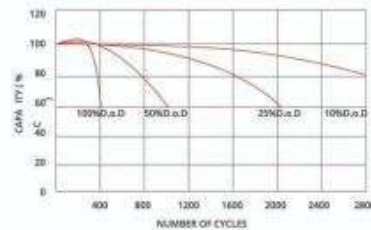
THE RELATIONSHIP FOR CHARGING VOLTAGE AND TEMPERATURE



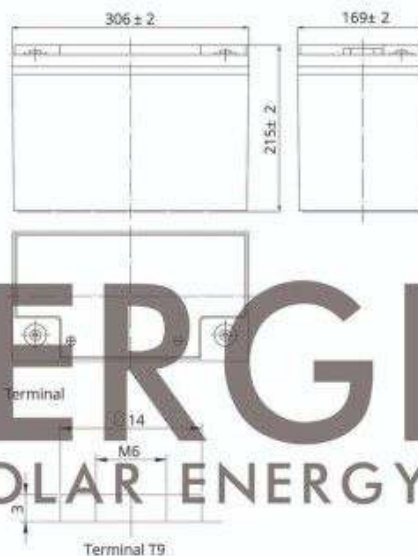
FLOATING LIFE ON TEMPERATURE



CYCLE LIFE ON D.O.D (25°C)



NOMINAL VOLTAGE		12V
Capacity (25°C)	20HR (10.5V)	80Ah
	5HR (10.2V)	62Ah
	1HR (9.6V)	46.6Ah
Dimension	Length	306± 2mm (12.05 inch)
	Width	169± 2mm (6.65 inch)
	Height	214± 2mm (8.43 inch)
	Total Height	214± 2mm (8.43inch)
Approx. Weight		27.5 kg (60.5 lbs) ± 4%
Terminal Type		T9
Internal Resistance (Full 25°C)		Approx. 6.5mΩ
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		16A
Terminal material		Copper
Maximum discharge current		800A (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	108	74.6	46.6	27.2	19.2	15.1	12.6	10.8	8.40	7.49	4.07	-	-
9.90V	106	73.1	45.9	27.0	19.0	15.0	12.5	10.8	8.32	7.48	4.06	-	-
10.2V	101	70.8	44.7	26.8	18.9	14.8	12.4	10.7	8.32	7.46	4.05	1.79	-
10.5V	98.7	69.2	43.8	26.4	18.8	14.8	12.4	10.6	8.24	7.40	4.00	1.78	0.74
10.8V	92.4	66.6	42.5	25.8	18.2	14.3	12.0	10.2	7.99	7.36	4.00	1.78	0.74

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	1205	850	536	316	227	179	150	128	100	89.8	49.2	-	-
9.90V	1176	833	528	315	226	178	149	127	100	89.8	49.2	-	-
10.2V	1132	807	516	312	224	176	148	126	99.6	89.8	49.1	21.4	-
10.5V	1094	788	505	308	222	175	148	125	98.7	88.8	48.3	21.2	8.88
10.8V	1036	759	489	300	215	170	143	122	95.1	88.0	48.4	21.2	8.80

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