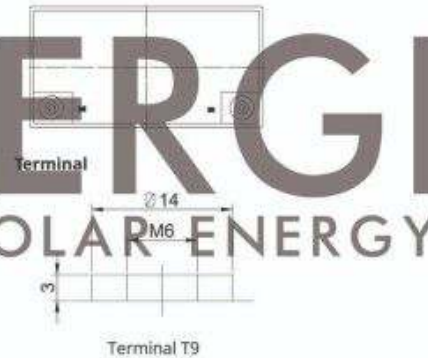


NOMINAL VOLTAGE		12V
Capacity (25°C)	20HR (10.5V)	100Ah
	5HR (10.2V)	78Ah
	1HR (9.6V)	58.2Ah
Dimension	Length	330± 2mm (12.99 inch)
	Width	171± 2mm (6.73 inch)
	Height	214± 2mm (8.43inch)
	Total Height	220± 2mm (8.66inch)
Approx. Weight		32 kg (70.4 lbs) ± 4%
Terminal Type		T9
Internal Resistance (Full 25°C)		Approx. 5 mΩ
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	20A
Terminal material	Copper
Maximum discharge current	80A (5 sec.)
Designed floating life (20°C)	15 years

Dimensions



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

CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A, 25°C)

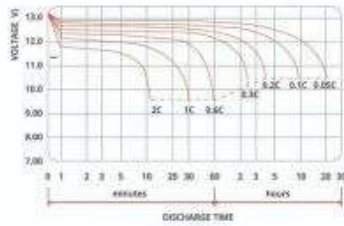
F.V/TIME	15 Mins	30 Mins	60 Mins	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr	48 Hr	120 Hr
9.60V	135	93.2	58.2	34.0	24.0	18.9	15.8	13.5	10.5	9.37	5.11	-	-
9.90V	132	91.3	57.3	33.8	23.8	18.8	15.7	13.4	10.4	9.35	5.10	-	-
10.2V	127	88.5	55.9	33.5	23.7	18.6	15.6	13.3	10.4	9.32	5.06	2.23	-
10.5V	123	86.4	54.8	33.0	23.5	18.5	15.5	13.2	10.3	9.26	5.00	2.22	0.92
10.8V	116	83.2	53.1	32.2	22.8	17.9	15.0	12.8	9.99	9.20	5.00	2.22	0.92

CONSTANT POWER DISCHARGE CHARACTERISTICS (WATT, 25°C)

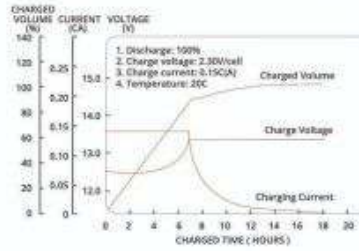
F.V/TIME	15 Mins	30 Mins	60 Mins	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	20 Hr	48 Hr	120 Hr
9.60V	1507	1062	670	396	283	223	188	160	125	112	61.6	-	-
9.90V	1470	1041	660	393	282	222	187	159	125	112	61.5	-	-
10.2V	1416	1009	644	390	280	220	185	158	124	112	61.3	26.8	-
10.5V	1368	985	631	384	278	219	184	157	123	111	60.3	26.6	11.1
10.8V	1296	949	611	374	269	212	179	152	119	110	60.5	26.6	11.0

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

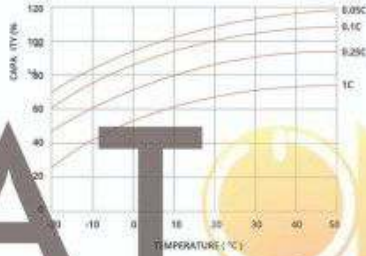
DISCHARGE CHARACTERISTICS (25°C)



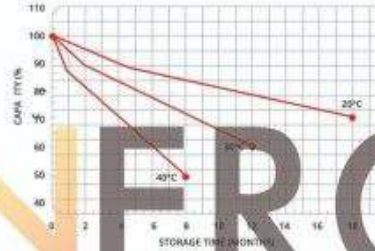
CHARGING CHARACTERISTICS (25°C)



EFFECT OF TEMPERATURE ON CAPACITY

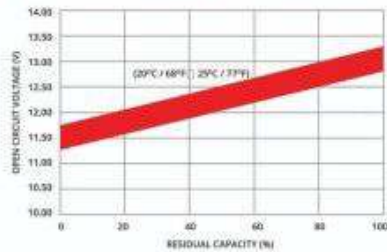


SELF DISCHARGE CHARACTERISTICS

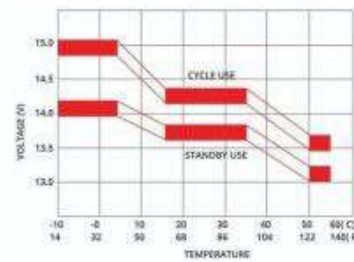


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TURN ON YOUR SOLAR ENERGY

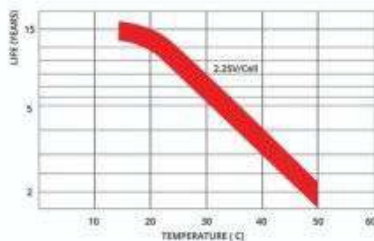
THE RELATIONSHIP FOR OPEN CIRCUIT VOLTAGE



THE RELATIONSHIP FOR CHARGING VOLTAGE AN TEMPERATURE



FLOATING LIFE ON TEMPERATURE



CYCLE LIFE ON D.O.D (25°C)

