

- Unique European energy storage technology
- Fully certified
- Specially designed to use for all solar applications even in extreme temperature conditions
- Super long life time, leakage and maintenance free Terminals at the front for easy connection
- Durable and sustainable with extra long cycles



SPECIFICATION

Cells Per Unit	6
Voltage Per Unit	12
Capacity	150Ah@10hr-rate to 1.75V per cell @25°C
Weight	Approx. 44.5 Kg
Max. Discharge Current	1500 A(5 sec)
Internal Resistance	Approx. 6 mΩ
Operating Temperature Range	Discharge: -20°C ~ 60°C Charge: 0°C ~ 50°C Storage: -20°C ~ 60°C
Normal Operating Temperature Range	25°C ± 5°C
Equalization and Cycle Service	100% rate capacity discharge, then put 14.6 to 14.8 V/block at 25°C
Self Discharge	Less than 3% per month at 25°C
Container Material	A.B.S. (UL94-HB) , Flammability resistance of UL94-V2 (if required)

Constant Current Discharge Characteristics Unit: A/block(25°C = 77°F)

F.V/Time	1HR	2HR	3HR	5HR	8HR	10HR	20HR	30HR	50HR	70HR	100HR	120HR
9.60V	87.52	49.96	35.14	24.49	16.90	14.29	7.56	5.14	3.17	2.38	1.74	1.51
10.0V	87.11	49.59	35.01	24.35	16.77	14.16	7.42	5.05	3.12	2.33	1.71	1.48
10.2V	86.30	49.21	34.74	24.20	16.63	14.02	7.28	4.95	3.06	2.29	1.68	1.46
10.5V	85.50	48.83	34.60	23.91	16.49	13.88	7.15	4.86	3.00	2.25	1.64	1.43
10.8V	83.48	47.96	33.66	23.48	16.22	13.74	7.01	4.77	2.94	2.20	1.61	1.40
11.1V	79.30	45.83	32.18	22.47	15.53	13.33	6.60	4.49	2.77	2.07	1.52	1.32

Constant Power Discharge Characteristics W/ block:(25°C = 77°F)

F.V/Time	1HR	2HR	3HR	5HR	8HR	10HR	20HR	30HR	50HR	70HR	100HR	120HR
9.6V	1001	574.7	405.5	283.5	196.1	160.7	84.9	57.72	35.65	26.68	19.52	16.98
10.0V	996.1	572.5	404.7	281.8	195.3	159.1	84.1	57.16	35.31	26.42	19.33	16.81
10.2V	988.8	567.2	402.3	280.9	193.7	158.2	83.2	56.60	34.96	26.16	19.15	16.65
10.5V	979.1	562.0	399.9	278.3	192.0	156.6	82.4	56.04	34.61	25.90	18.96	16.48
10.8V	954.9	553.7	390.2	274.0	187.9	154.9	81.6	55.48	34.27	25.64	18.77	16.32
11.1V	904.8	528.2	370.8	260.2	181.3	150.0	78.3	53.24	32.88	24.61	18.01	15.66

All mentioned values are average values.

Recommended FOV (final voltage) When Discharge

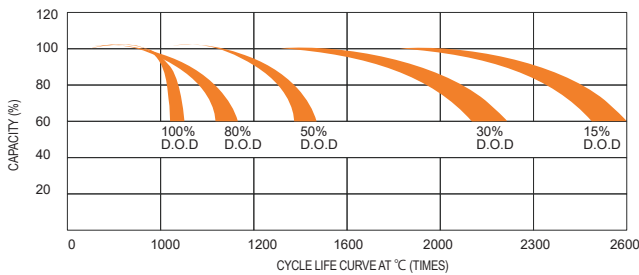
Discharging Current I (A)	≤0.1C	0.1 < C ≤ 1.05C	0.5 < C ≤ 1.10C	I > 1.0C
Final of Voltage	10.8V	10.5V	10.2V	9.6V

Charging Method

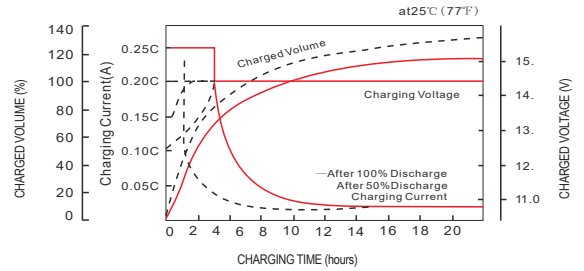
Usage	Temperature (°C)	Charging Voltage (V/Cell)			Charging Current (A)
		Battery Type	Rated Voltage	Allowed Range	
Cyclic Use	25°C	AGM	2.45	2.43 - 2.45	1) 0.3C for 6V, 12V block, 2) 0.2C for 2V block
Float Use	25°C	AGM	2.275	2.27 - 2.30	
				2.28 - 2.32 (only for under 33Ah)	

Temperature effect on float charge v: -3mV/°C/Cell

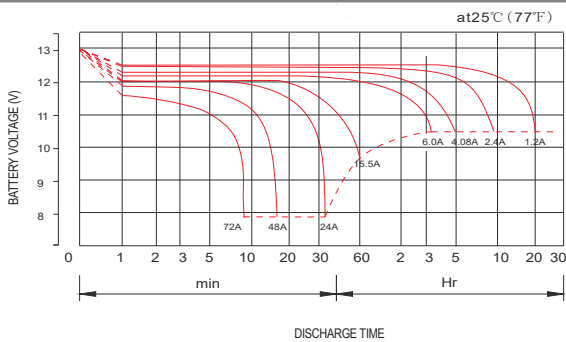
LIFE CHARACTERISTICS OF CYCLIC USE



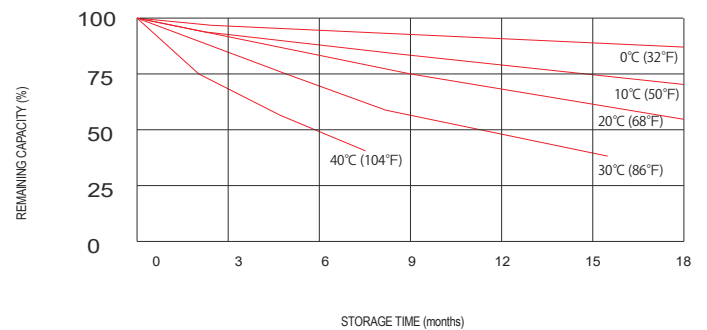
CHARGE CHARACTERISTIC CURVE FOR STANDBY USE



DISCHARGE CHARACTERISTIC CURVE



STORAGE CHARACTERISTIC

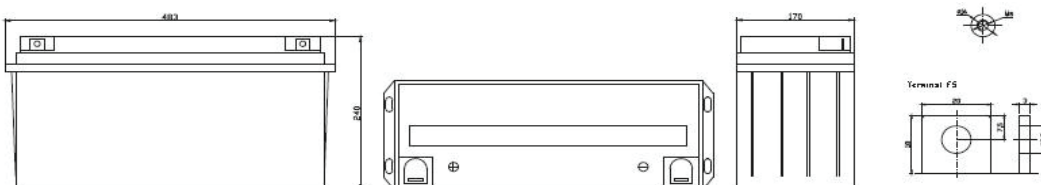


MAINTENANCE AND CAUTIONS

- 1) New battery and old battery shall not be used together, and batteries from different makers or in different capacity shall not be used together either.
- 2) Please start from positive pole for any connection . Torque for connection :M5 Torque : 6N -m ~ 7N -m ,M6 Torque : 8N-m~10N-m, M8 Torque : 10N-m~12N-m

DIMENSIONS

(unit: mm) (L x W x H = 483 x 170 x 240)



OUR PARTNER:



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