

EA-POWER-TS12-22 Lead-acid Solution

By combining the newly developed Nanometer Gel electrolyte, high tin content cathode plate, and AGM separator, TS series battery enjoys excellent discharging performance, long cycle life, and stable performance at high and low-temperature surroundings. TS series is suited for all kinds of ranges for energy storage, especially for renewable solar energy systems, etc.



AGM BATTERY

Application

NO.	DETAIL
1	UPS /EPS
2	Power systems
3	Telecommunications system
4	Emergency lighting, Auto control system
5	Solar / Wind generating storage cyclic
6	Other general purpose

General Features

NO.	DETAIL
1	High corrosion resistant performance: Pb-Camulti-alloy grid
2	High energydensity and power density
3	Optimized capability of instant high-current discharging
4	Excellent charge acceptance ability
5	Excellent deep cycle dischargecapability
6	Stronghigh and low temperature performance
7	Precision sealing technology

Specification

ITEM		DETAIL							
Nominal Voltage V		12 V							
Nominal Capacity AH		22 AH							
Design Life Years		5 Years							
Terminal		L1							
Approx. Weight	Kg	Approx. 5.80 kg (12.8 lbs)							
Container Material		ABS							
		22.0 AH (20 Hour Rate : 1.0 A to 10.5 V)							
Rated Capacity	АН	17.6 AH (3 Hour Rate : 5.26 A to 10.2 V)							
		14.6 AH (1 Hour Rate : 13.2 A to 9.6 V)							
Internal Resistance		Full charged at 25 °C: 13.6 mΩ							
Maximum Discharge Current	A	330 A (5S)							
		Discharge: -20 ~ 50 °C (-4 ~ 122 °F)							
Operating Temperature	°C/‡	Charge: -20 ~ 50 °C (-4 ~ 122 °F)							
		Storage: -20 ~ 50 °C (-4 ~ 122 °F)							
		Charge Current: Maximum 5.5 A / Recommended 2.2 A)							
Charge Method (25 °C)		Float Charge: 13.5 ~ 13.8 V / Recommended 13.8 V (-18mV / °C)							
		Equalize Charge:13.8 ~ 14.1 V / Recommended 14.1 V (-24mV / °C)							
		Cycle Charge:14.4 ~ 15.0 V / Recommended 14.7 V (-30mV / °C)							
Self Discharge		3% of capacity declined per month at 25 °C							

Constant Current Discharge Characteristics - UNIT A (25°C, 77°F)

FV / TIME	5M	10M	15M	30M	45M	18	1.5H	2H	3H	4H	5H	6H	8H	10H	20H
1.60 V	88.0	57.6	42.9	28.1	17.9	14.6	8,95	8.40	6.13	4.91	4.18	3.17	2.76	2.20	1.18
1.65 V	87.4	55.1	39.3	26.7	16.8	13.7	8.87	8.07	5.96	4.76	4.09	3.14	2.71	2.18	1.15
1.70 V	71.5	51.8	36.7	25.9	16.3	13.3	.8.66	7.91	5.85	4.51	4.04	3.07	2.67	2.13	1,13
1.75 V	66.5	49.3	34.2	25.3	15.7	12.8	8.50	7.71	5.76	4.44	3.87	3,01	2.60	2.09	1.10
1.80 V	61.1	46.5	31:8	24.4	15.2	12.4	8.30	7.51	5.44	4.35	3.71	2.94	2.54	2.04	1.07
- 1.85 V	54.5	43.1	28.3	22.4	14.1	.11.5	* 8.05	7.14	5.12	4.22	3.54	2.85	2.43	1.98	1.05

Constant Power Discharge Characteristics - UNIT W/CELL (25°C, 77°F)

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FV. TIM		5M	10M	15M	30M	45M	1H	1.5H	2H	3H	4H	5H	6H	8H	10H	20H
1.60	v	166	104	78.5	47.5	32.3	26.9	18.0	15.8	11.6	9.29	7.89	6.25	5.20	4.26	2.33
1.65	v	153	98.2	73.7	47.2	30.4	25.3	17.6	15.2	11.2	9.00	7.74	6.13	5.12	4.18	2.27
1.70	V	139	95.1	70.4	47.0	29.4	24.5	17.5	14.8	11.1	8.55	7.51	6.09	5.07	4.15	2.25
1.75	v	126	92.2	67.8	46.6	28.6	23.8	17.1	14.5	10.9	8.44	7.37	5.94	4.86	4.05	2.20
1.80	V	113	89.3	648	46.2	28.1	23.4	16.8	14.4	10.6	8.37	7.18	5.82	4.70	3.97	2.19
1.85	v	101	83.5	58.0	42.3	26.3	21.9	16.5	13.8	10.1	8.24	6.85	5.73	4.50	3.91	2.17

Disclaimer. Manufacturers have the right to self-modify the parameters of the product updates, please keep in touch with manufacturers to obtain the latest information.

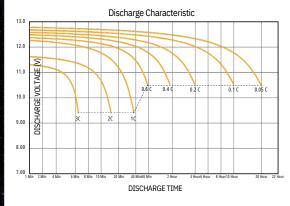
Dimension: (L) 181 x (W) 76 x (H) 167 x (TH) 167 mm

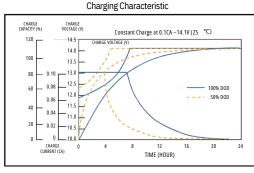


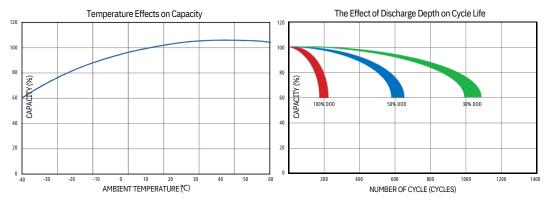


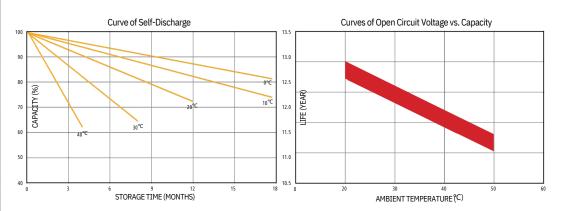


PERFORMANCE CHARACTERISTICS









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