



**ENERGY ALTERNATIVES**

Powered By Nature

# EA-POWER-TS12-26 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	26 AH
Design Life	Years	5 Years
Terminal		M6
Approx. Weight	Kg	Approx. 8.2 kg (18.1 lbs)
Container Material		ABS
Rated Capacity	AH	26.0 AH (20 Hour Rate : 1.3 A to 10.5 V)
		20.5 AH (3 Hour Rate : 6.84 A to 10.2 V)
		16.3 AH (1 Hour Rate : 16.3 A to 9.6 V)
Internal Resistance		Full charged at 25 °C: 16.0 mΩ
Maximum Discharge Current	A	390 A (5S)
Operating Temperature	°C / °F	Discharge: -20 ~ 50 °C (-4 ~ 122 °F)
		Charge: -20 ~ 50 °C (-4 ~ 122 °F)
		Storage: -20 ~ 50 °C (-4 ~ 122 °F)
Charge Method (25 °C)		Charge Current: Maximum 6.5 A / Recommended 2.6 A)
		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)

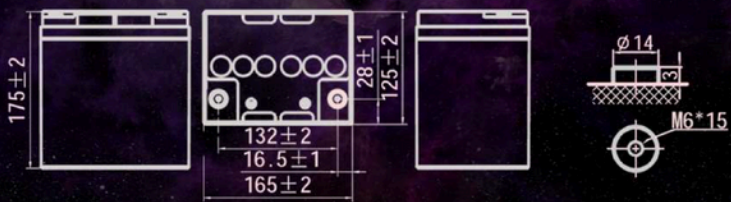
FV / TIME	5M	10M	15M	30M	45M	1H	1.5H	2H	3H	4H	5H	6H	8H	10H	20H
1.60 V	85.1	66.1	45.7	26.0	20.0	16.3	10.2	9.35	7.01	4.90	4.54	3.62	2.98	2.51	1.32
1.65 V	82.5	64.2	44.3	25.5	19.8	16.2	10.1	9.29	6.95	4.86	4.51	3.59	2.95	2.49	1.31
1.70 V	79.2	61.2	43.9	25.0	19.7	16.1	10.0	9.21	6.84	4.81	4.46	3.55	2.93	2.47	1.31
1.75 V	72.8	58.6	41.9	24.8	19.4	15.8	9.93	9.08	6.76	4.76	4.40	3.52	2.90	2.44	1.30
1.80 V	65.3	55.3	39.2	23.7	18.9	15.4	9.83	8.92	6.73	4.71	4.30	3.49	2.90	2.42	1.29
1.85 V	58.3	49.4	34.9	21.7	17.5	14.3	9.54	8.46	6.34	4.57	4.08	3.38	2.77	2.34	1.27

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

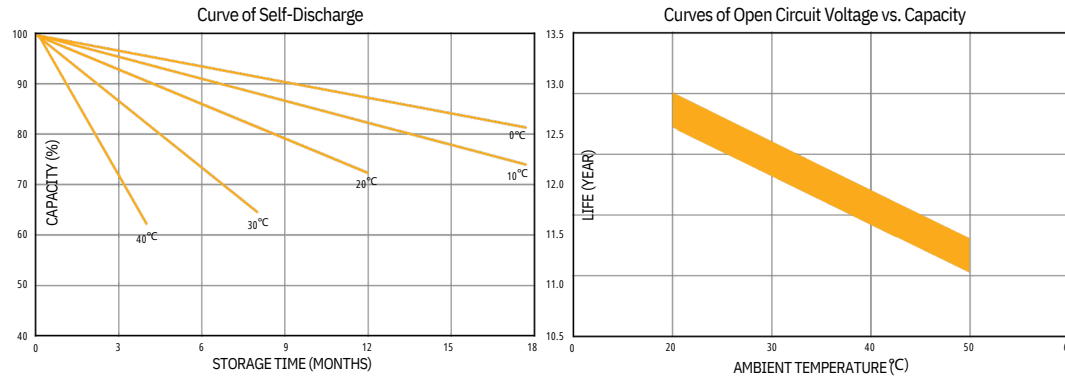
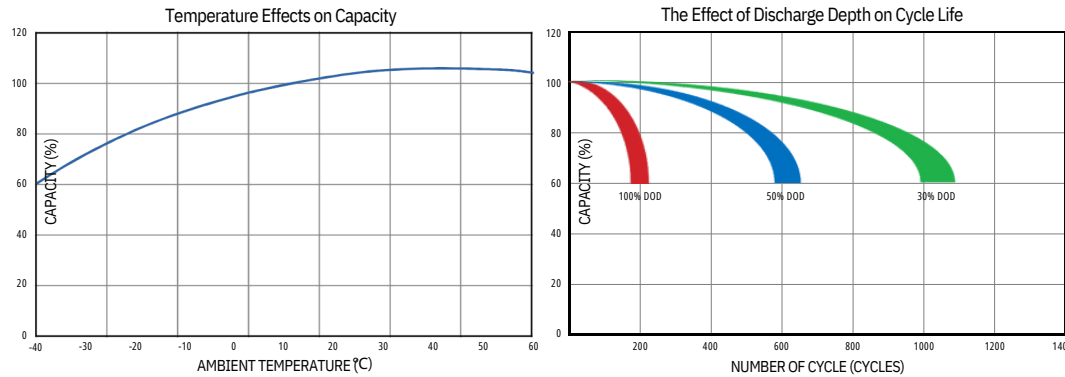
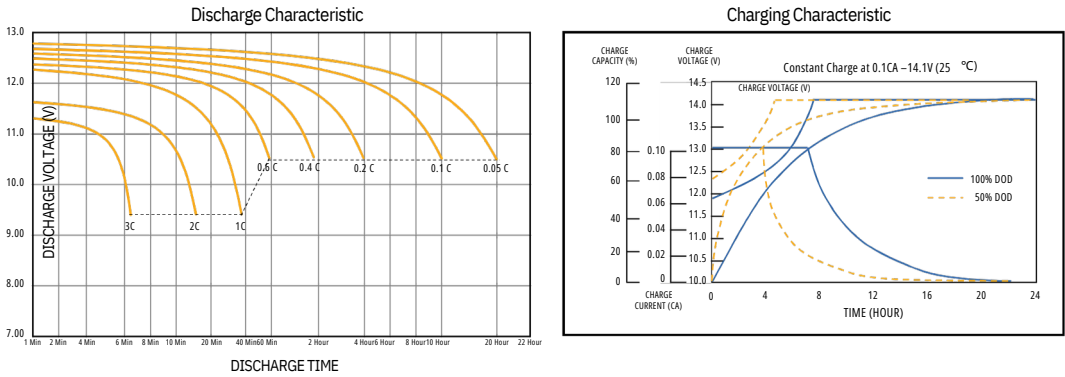
FV / TIME	5M	10M	15M	30M	45M	1H	1.5H	2H	3H	4H	5H	6H	8H	10H	20H
1.60 V	143	119	80.6	47.0	37.1	30.9	19.5	17.6	13.3	9.55	8.62	7.09	5.80	4.83	2.61
1.65 V	137	115	79.2	46.5	36.7	30.6	19.3	17.6	13.2	9.44	8.57	7.01	5.75	4.78	2.60
1.70 V	137	110	78.2	46.5	36.4	30.4	19.1	17.5	13.1	9.34	8.51	6.93	5.72	4.73	2.59
1.75 V	127	106	77.9	46.3	36.1	30.1	19.0	17.4	13.0	9.28	8.46	6.89	5.69	4.70	2.58
1.80 V	117	100	73.6	45.0	35.8	29.8	18.7	17.4	13.0	9.18	8.35	6.82	5.64	4.65	2.56
1.85 V	104	88.9	65.8	41.3	33.2	27.7	18.4	16.6	12.3	9.02	7.98	6.70	5.45	4.57	2.54

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) 165 x (W) 125 x (H) 175 x (TH) 175 mm



PERFORMANCE CHARACTERISTICS



All rights reserved. ENERGY ALTERNATIVES is not liable for damages that may result from any information provided in or omitted from this publication, under any circumstances. ENERGY ALTERNATIVES reserves the right to make adjustments to this publication at any time without notice or obligation. It is the responsibility of the reader of this information to verify any and all information presented herein.