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ORIGINAL

VALVE REGULATED LEAD ACID BATTERY



Our high quality VRLA batteries are developed with state-of-the-art technology.

- Absorbent Glass Mat (AGM) technology
- Long life
- Small size
- No leakage
- Low self discharge
- No water or electrolyte supplement is required
- Maintenance-free
- They have been widely used in UPS, and other kinds of back-up power.

ECT-RA129VA2

12V9Ah
MAINTENANCE-FREE

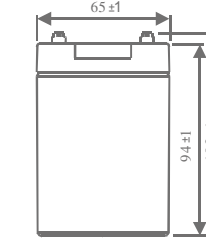
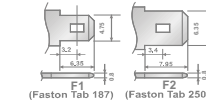
Product



SẢN PHẨM KHÔNG CẦN BẢO DƯỠNG
ĐƯỢC BẢO HIỂM TRÁCH NHIỆM LÊN ĐẾN 2 TRIỆU USD

Dimensions(mm)

Length (L) : 151 (±1)
 Width (W) : 65 (±1)
 Height (H) : 94 (±1)
 Overall Height : 102 (±1)



Specifications

Nominal Voltage(V)			12V
Nominal Capacity			
15 mins rate	(216W to 9.60V)		54Wh
20 hour rate	(0.451A to 10.50V)		9Ah
5 hour rate	(1.53A to 10.20V)		7.65Ah
1C	(9A to 9.60V)		5.7Ah
3C	(27A to 9.60V)		3.6Ah
Weight			Approx. 2.7kg
Internal Resistance (at 1KHz)			Approx. 14m Ω
Maximum Discharge Current for 5 seconds:			135A
Design life			3-5 years
Case Material			ABS UL94 HB
	Option: Flammability resistance of (UI94 V-0)		
Terminal			F1 or F2 (Faston Tab 187 or 250)

Charging Methods at 25°C (77°F)

Cycle use:
 Charging Voltage **14.4 to 15.0V**
 Coefficient -5.0mV/°C/cell
 Maximum Charging Current **2.7A**

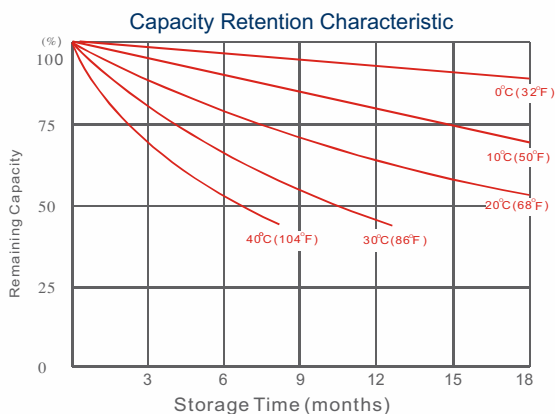
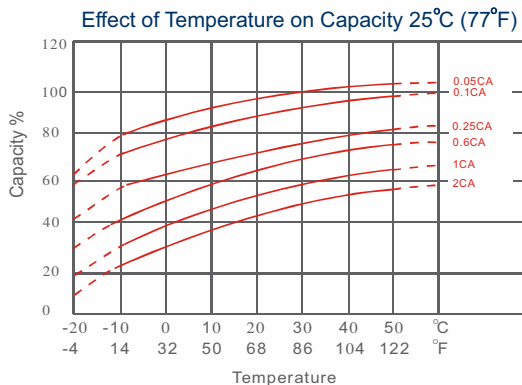
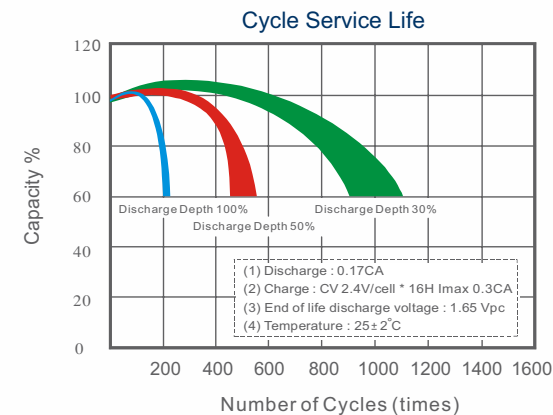
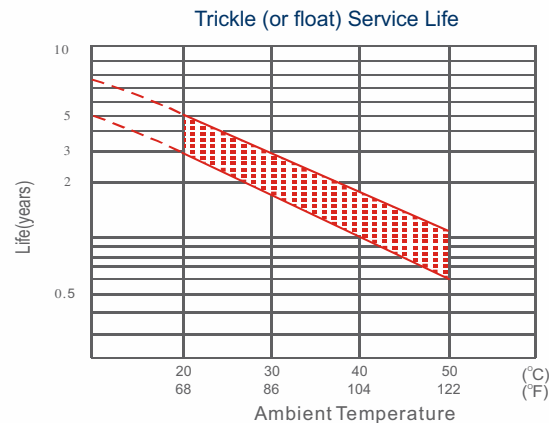
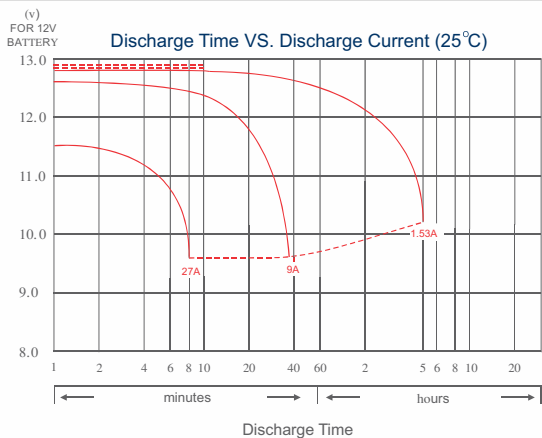
Standby use:
 Float Charging Voltage **13.50 to 13.80V**
 Coefficient -3.0mV/°C/cell

Operating Temperature Range

Charge **-15°C(5°F) to 40°C(104°F)**
 Discharge **-15°C(5°F) to 50°C(122°F)**
 Storage **-15°C(5°F) to 40°C(104°F)**

Charge Retention (shelf life) at 20°C (68°F)

1 month **92%**
 3 month **90%**
 6 month **80%**



- PERFORMANCE DATA

- Discharge Rates in Watts to Various End Voltages at 25°C (77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	57.1	60.2	64.7	67.8	69.8	71.2	74.7
10	min	36.5	39.1	42.0	44.0	45.2	46.1	48.3
15	min	30.1	31.2	32.3	33.4	34.0	34.7	35.9
30	min	15.8	16.2	17.0	17.7	17.8	18.0	19.1
60	min	9.97	10.4	10.7	11.0	11.1	11.3	11.5
120	min	5.40	5.56	5.69	5.82	5.87	5.90	5.95
180	min	4.20	4.35	4.49	4.62	4.67	4.75	4.85
240	min	3.40	3.53	3.63	3.73	3.78	3.85	3.92
300	min	2.89	2.99	3.05	3.10	3.12	3.15	3.18
600	min	1.62	1.68	1.71	1.75	1.77	1.78	1.80
1200	min	0.853	0.882	0.902	0.907	0.910	0.913	0.918

- Discharge Rates in Amperes to Various End Voltages at 20°C (77°F)

Time	End Voltage	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	min	30.4	32.6	35.0	36.7	37.4	38.5	40.3
10	min	19.1	20.4	21.9	22.9	23.4	24.1	25.2
15	min	14.3	14.9	15.8	16.5	16.8	17.3	18.0
30	min	8.09	8.45	8.93	9.35	9.54	9.77	10.2
60	min	5.17	5.29	5.37	5.45	5.48	5.52	5.57
120	min	2.63	2.72	2.78	2.84	2.86	2.89	2.93
180	min	2.12	2.18	2.23	2.27	2.29	2.31	2.34
240	min	1.69	1.74	1.77	1.80	1.81	1.82	1.83
300	min	1.46	1.51	1.53	1.55	1.56	1.57	1.58
600	min	0.827	0.841	0.855	0.866	0.871	0.877	0.884
1200	min	0.427	0.442	0.451	0.456	0.459	0.462	0.466

All data on the spec. sheet is an average value:

The tolerance range : X<6min(+15%~-15%), 6min ≤ X<10min(+12%~-12%), 10min ≤ X<60min(+8%~-8%), X ≥ 60min(+5%~-5%)

Contents in this data sheet are subject to change for improvement without prior notice to users. For clarifications and updated information, please contact us.

CÔNG TY NGUYỄN HÀ

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Factory has been assessed and certified as meeting the requirements of:

- * ISO 14001:2015 Certified by: SGS United Kingdom
- * OHSAS 18001:2007 Certified by: SGS Taiwan
- * TL 9000-H:2016(R6)/R5.0 & ISO 9001:2015 Certified by: SGS-CSTC Standards Technical Services, China
- * ISO/IEC 17025 :2005 Certified by: Ministry Of Science and Technology Of Viet Nam

FACTORY ADDRESS:

Duc My Industrial Cluster, Duc Hoa Dong Commune, Duc Hoa District, Long An Province, Viet Nam

INVESTMENT LICENSE No: 1013126870

ISSUED BY: DEPARTMENT OF PLANNING AND INVESTMENT OF LONG AN PROVINCE