

**ECOTEK CANADA PROMOTION TRADE CORPORATION**  
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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-UP12120VA18

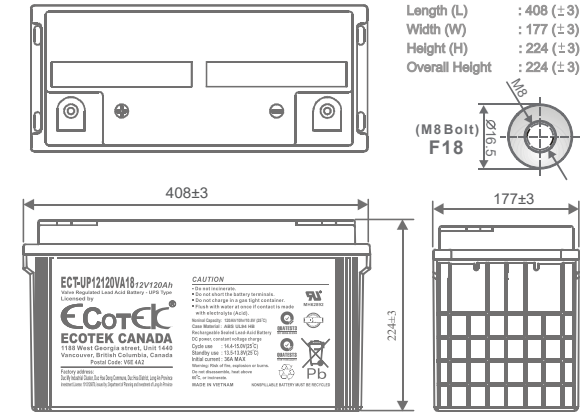
**12V120Ah**  
**MAINTENANCE-FREE**

### Product



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

### Dimensions(mm)



### Specifications

<b>Nominal Voltage(V)</b>	<b>12V</b>		
<b>Nominal Capacity</b>			
10 hour rate (12A to 10.80V)			<b>120Ah</b>
5 hour rate (20.4A to 10.20V)			<b>102Ah</b>
1 hour rate (72A to 9.60V)			<b>72Ah</b>
<b>Weight</b>	Approx. <b>35.5kg</b>		
<b>Internal Resistance (at 1KHz)</b>	Approx. <b>4m Ω</b>		
<b>Maximum Discharge Current for 5 seconds:</b>	<b>1200A</b>		
<b>Design life</b>	<b>10-12 years</b>		
<b>Case Material</b>	ABS - Flame retardant rating of <b>UL94 HB</b> Option: <b>UL94 V-0</b>		
<b>Terminal</b>	<b>F18</b>		

### Charging Methods at 25°C(77°F)

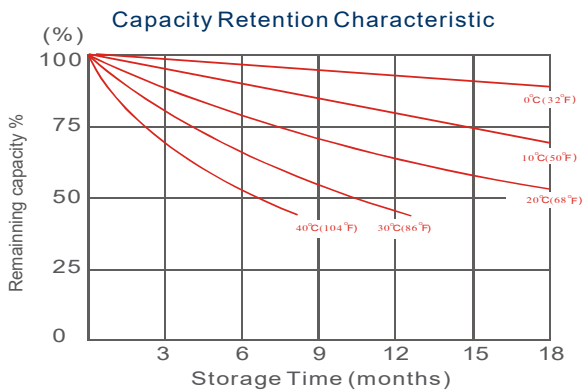
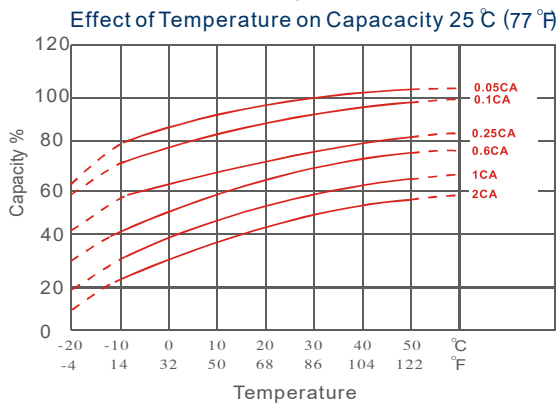
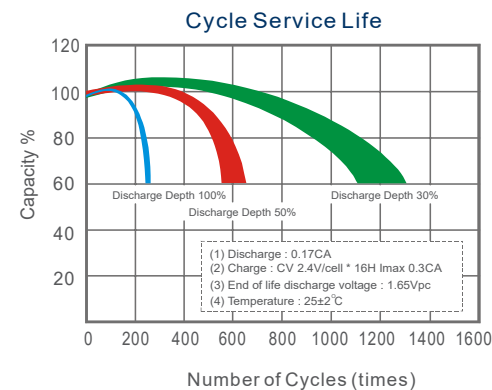
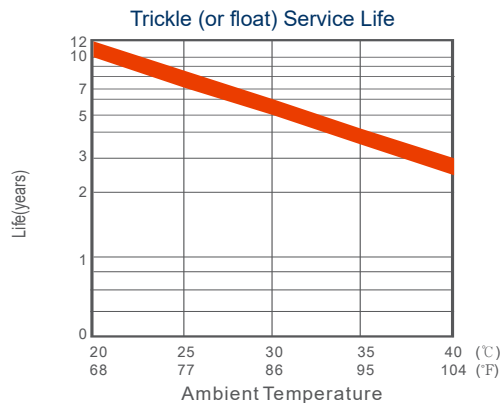
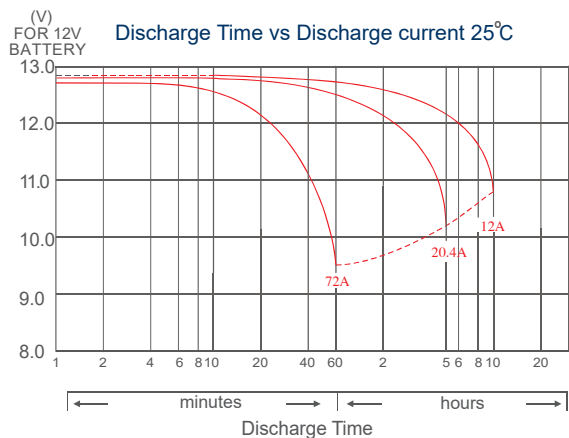
<b>Cycle use:</b>	
Charging Voltage	<b>14.4 to 15.0V</b>
Coefficient -5.0mV/°C/cell	
Maximum Charging Current	<b>36A</b>
<b>Standby use:</b>	
Float Charging Voltage	<b>13.50 to 13.80V</b>
Coefficient -3.0mV/°C/cell	

### Operating Temperature Range

Charge	<b>-15°C(5°F) to 40°C(104°F)</b>
Discharge	<b>-15°C(5°F) to 50°C(122°F)</b>
Storage	<b>-15°C(5°F) to 40°C(104°F)</b>

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

1 month	<b>98%</b>
3 month	<b>94%</b>
6 month	<b>85%</b>



### - PERFORMANCE DATA

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

Time	End Voltage	Discharge Rates in Watts					
		1.85V	1.80V	1.75V	1.70V	1.65V	1.60V
5	min	382	440	490	540	590	630
10	min	305	365	420	445	470	486
15	min	300	332	350	368	384	396
20	min	255	280	298	311	323	332
30	min	215	225	235	241	247	250
45	min	150	161	169	177	181	184
60	min	130	136	142	145	147	149
90	min	89.8	93.0	95.6	98.4	101.4	105
180	min	53.2	55.7	57.9	59.4	60.9	62.2
300	min	37.3	38.9	39.6	40.3	40.9	41.5
480	min	25.9	27.3	27.8	28.2	28.5	28.8
600	min	21.5	23.4	23.9	24.2	24.4	24.5
1200	min	11.2	11.7	12.0	12.4	12.6	12.7

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

Time	End Voltage	Discharge Rates in Amperes					
		1.85V	1.80V	1.75V	1.70V	1.65V	1.60V
5	min	220	250	283	313	343	368
10	min	175	208	240	261	279	292
15	min	165	185	192	201	210	216
20	min	141	152	162	168	176	185
30	min	108	116	120	125	130	135
45	min	83.5	87.0	90.0	92.0	94.0	96.0
60	min	66.2	70.0	73.0	75.0	77.0	77.7
90	min	47.9	51.0	53.1	55.0	56.9	58.8
180	min	28.9	29.7	30.4	31.0	31.3	31.5
300	min	18.6	20.3	21.0	21.5	21.7	21.9
480	min	13.2	14.1	14.5	14.7	15.0	15.1
600	min	11.7	12.5	12.6	12.7	12.8	13.0
1200	min	5.89	6.29	6.34	6.39	6.44	6.54

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

**AUTHORIZED REGIONAL MASTER DISTRIBUTOR IN VIETNAM**

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

- \* ISO 14001:2015 Certified by: SGS United Kingdom
- \* ISO 45001:2018 Certified by: SGS Taiwan
- \* TL 9000-H R6.2/R5.7 & ISO 9001:2015 Certified by: SGS-CSTC Standards Technical Services, China
- \* ISO/IEC 17025:2017 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