

VALVE REGULATED LEAD ACID BATTERY - UPS TYPE

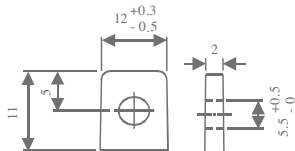
ABSORBENT GLASS MAT - AGM TECHNOLOGY

ECT-UP1220VA3 **12V20Ah**

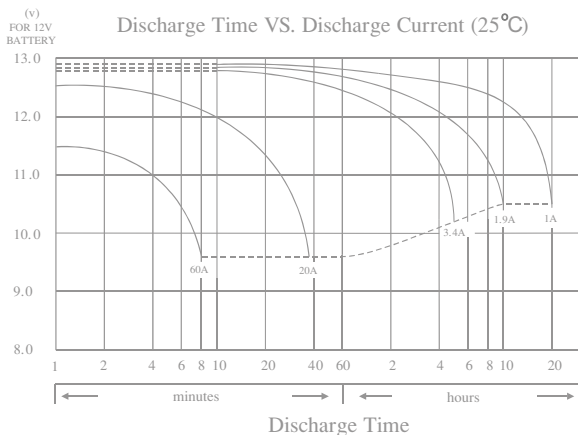
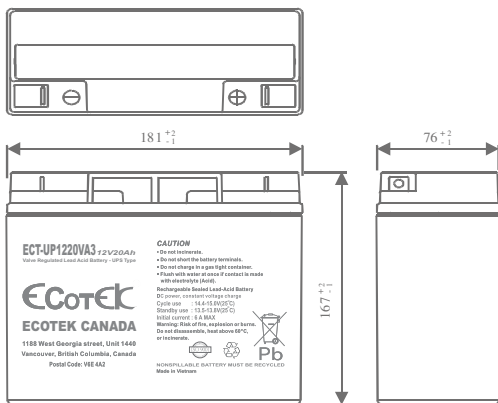


Dimensions

mm



F3
(M5 Bolts)



Specifications

Nominal Voltage(V) 12V

Nominal Capacity

20 hour rate	(1A	to	10.50V)	20Ah
10 hour rate	(1.9A	to	10.50V)	19Ah
5 hour rate	(3.4A	to	10.20V)	17Ah
1 C	(20A	to	9.60V)	12.67Ah
3 C	(60A	to	9.60V)	8Ah

Weight Approx. 6.08kg

Internal Resistance (at 1KHz) Approx. 10 mΩ

Maximum Discharge Current for

5 seconds: 300A

Charging Methods at 25°C(77°F)

Cycle use:

Charging Voltage 14.4 to 15.0V

Coefficient -5.0mV/°C/cell

Maximum Charging Current 6A

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%

Case Material

ABS

Option: UL94 HB & UL94 V-0 Flame retardant

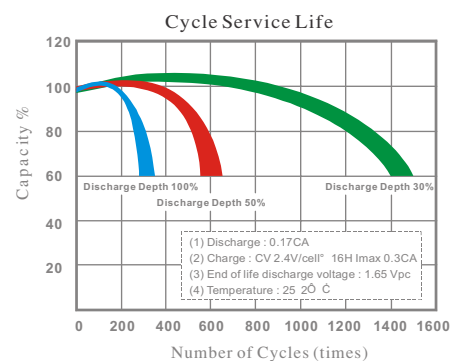
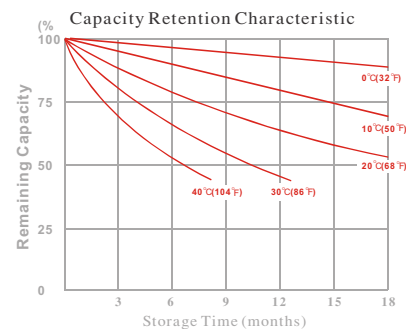
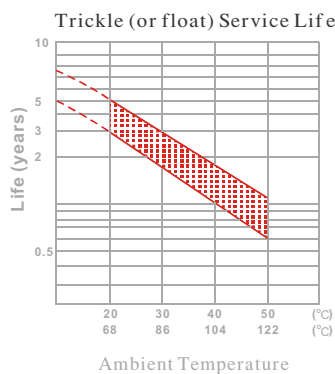
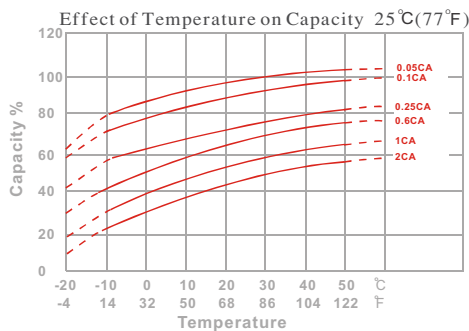
Terminal

F3

VALVE REGULATED LEAD ACID BATTERY - UPS TYPE

ABSORBENT GLASS MAT - AGM TECHNOLOGY

ECT-UP1220VA3 12V20Ah



- PERFORMANCE DATA

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	648	750	818	860	871	884	896
10	min	463	522	566	592	599	608	615
15	min	387	433	473	491	496	501	506
30	min	209	223	239	248	251	254	256
60	min	133	139	144	148	149	151	153
120	min	73.2	76.4	78.2	80.7	81.3	82.0	82.9
180	min	57.2	59.3	60.7	61.9	62.3	62.8	63.4
240	min	45.8	47.6	48.7	49.6	49.9	50.3	50.8
300	min	39.9	41.3	42.0	42.6	42.8	43.1	43.5
600	min	23.2	23.9	24.4	24.8	24.9	25.1	25.3
1200	min	12.3	12.7	13.0	13.2	13.3	13.4	13.5

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

End Voltage		1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
Time								
5	min	68.2	73.9	77.5	80.7	82.0	83.4	85.8
10	min	45.8	48.9	51.4	53.5	54.4	55.4	57.0
15	min	34.7	37.3	39.0	40.5	41.1	41.7	42.6
30	min	18.5	20.0	21.1	22.0	22.2	22.6	23.2
60	min	11.1	11.7	12.2	12.6	12.7	12.9	13.1
120	min	6.25	6.47	6.61	6.73	6.77	6.82	6.89
180	min	4.73	4.90	5.00	5.08	5.11	5.15	5.21
240	min	3.88	3.97	4.04	4.09	4.11	4.14	4.17
300	min	3.41	3.48	3.53	3.57	3.58	3.60	3.62
600	min	1.97	2.00	2.02	2.04	2.05	2.06	2.07
1200	min	1.00	1.03	1.05	1.07	1.08	1.09	1.10

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

THE TOLERANCE RANGE : $X < 6\text{MIN}$ (+15%~-15%), $6\text{MIN} \leq X < 10\text{MIN}$ (+12%~-12%), $10\text{MIN} \leq X < 60\text{MIN}$ (+8%~-8%), $X \geq 60\text{MIN}$ (+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.