ACCU ITALIA® spa
ACCUMULATORI

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Cod. 00412093
VRLA BATTERY AGM TECHNOLOGY

Revision 4.0

Specifications

Nominal Voltage (V) **12V**

Nominal Capacity

15 min rate	(216W to 9.60V)	**54Wh**
5 hour rate	(1.53A to 10.20V)	**7.65Ah**
1 C	(9A to 9.60V)	**5.7Ah**
3 C	(27A to 9.60V)	**3.6Ah**

Weight Approx. **2.7kg (5.94 Lbs.)**

Internal Resistance (at 1KHz) Approx. **14 mΩ**

Maximum Discharge Current for

5 seconds: **135A**

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	**98%**
3 month	**94%**
6 month	**85%**

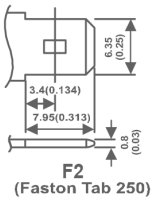
Case Material ABS UL94HB

(Option: ABS UL94 V-0 flame retardant)

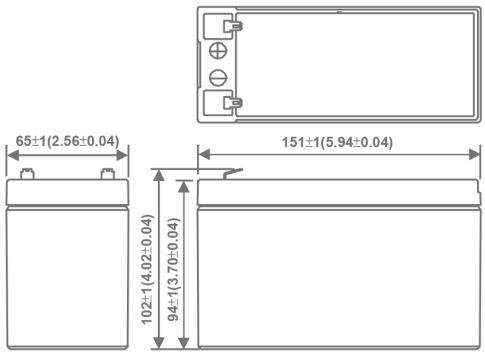
Terminal **F2 (Faston Tab 187 or 250)**

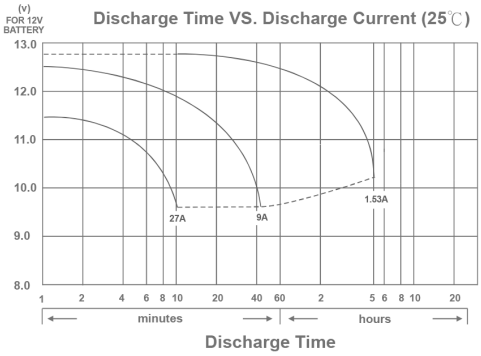
ENERGY SAFE

Dimensions mm (inch)



F2
(Faston Tab 250)





All data is subject to change without notice

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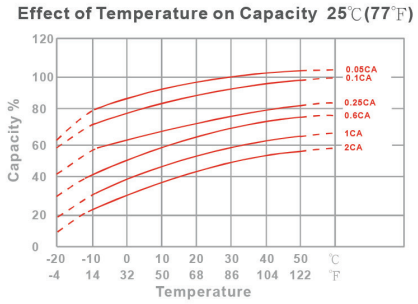

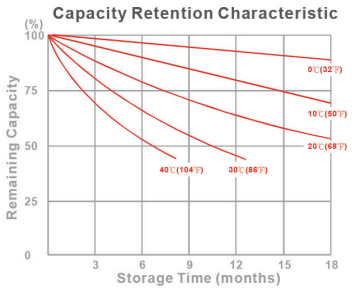

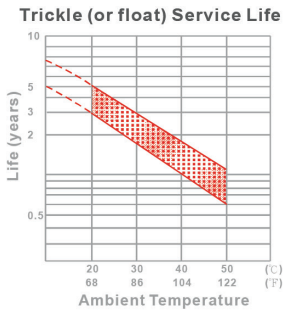

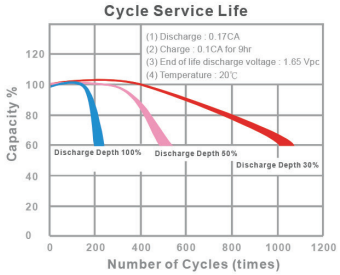

PERFORMANCE DATA

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

Time	End Voltage	11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
5	min	342	365	392	411	431	452
10	min	219	234	252	264	277	290
15	min	168	176	185	194	203	211
30	min	96	101	106	111	116	121
60	min	59.8	61.8	63.2	63.9	64.5	64.5
120	min	31.5	32.6	33.3	33.7	34.0	34.0
180	min	25.4	26.2	26.8	27.1	27.4	27.4
240	min	20.4	21.1	21.5	21.8	22.0	22.0
300	min	17.3	17.9	18.3	18.5	18.7	18.7
600	min	9.7	10.1	10.3	10.4	10.5	10.5
1200	min	5.12	5.29	5.41	5.47	5.53	5.53

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

Time	End Voltage	11.10V	10.80V	10.50V	10.20V	9.90V	9.60V
5	min	30.5	32.6	35.0	36.7	38.5	40.3
10	min	19.1	20.4	21.9	22.9	24.1	25.2
15	min	14.3	14.9	15.8	16.5	17.3	18.0
30	min	8.09	8.45	8.93	9.35	9.77	10.19
60	min	5.00	5.17	5.29	5.34	5.40	5.40
120	min	2.63	2.72	2.78	2.81	2.83	2.83
180	min	2.11	2.18	2.23	2.25	2.27	2.27
240	min	1.69	1.74	1.78	1.80	1.82	1.82
300	min	1.43	1.48	1.51	1.53	1.55	1.55
600	min	0.80	0.83	0.85	0.86	0.86	0.86
1200	min	0.42	0.44	0.45	0.45	0.45	0.45

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%)