



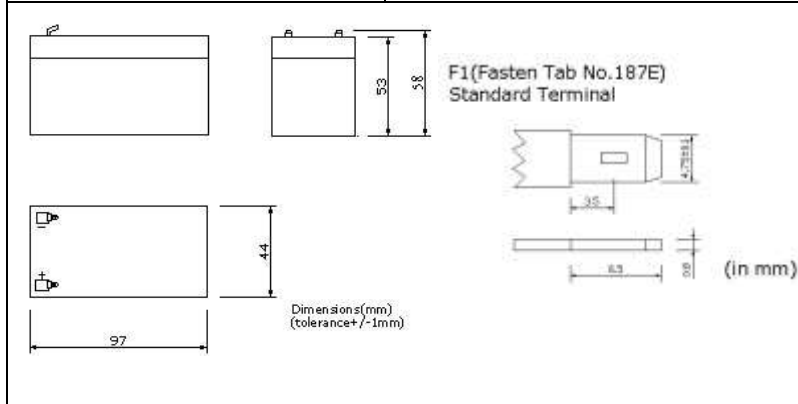
1.3Ah 12V Battery

PHYSICAL SPECIFICATION

Nominal Voltage		12V
Nominal Capacity (20HR)		1.3Ah
Dimension	Length	97±1mm (3.82 inches)
	Width	44±1mm (1.73 inches)
	Container Height	53±1mm (2.09 inches)
	Total Height	58±1mm (2.28 inches)
Weight		Approx. 0.55kg ±3% (1.21lbs)
Standard Terminal		F1-Fasten Tab No.187E(F1)



Nova Code: **BAT-300A**



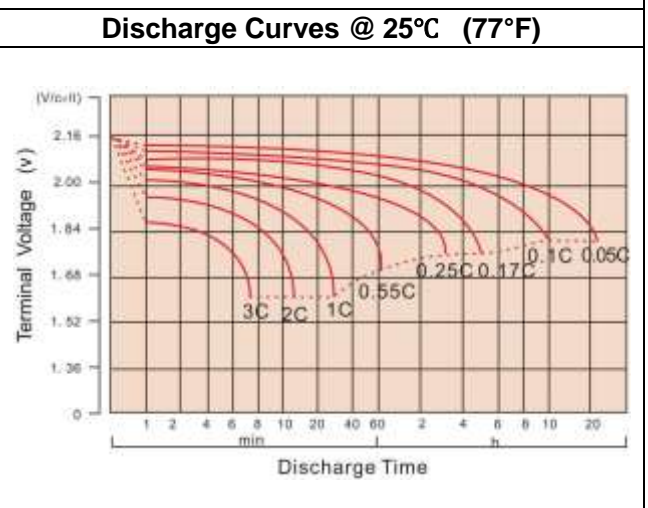
AGM VRLA Batteries have been developed as general purpose Batteries. They are valve regulated lead acid Batteries with high quality Absorbed Glass Mat (AGM) separators and high purity raw materials featured by perfectly good performance and reliable standby service life.

FEATURES:

1. Non spillable
2. Sealed and maintenance free
3. High quality and high reliability
4. Less gassing and low self-discharge
5. Low internal resistance
6. Long design life up to 6 years in float service at 25°C (77°F)

ELECTRICAL SPECIFICATION

Characteristics		
Capacity	20 hour rate (0.065A)	1.3Ah
	10 hour rate (0.121A)	1.21Ah
	5 hour rate (0.221A)	1.10Ah
	3 hour rate (0.325A)	0.97Ah
	1 hour rate (0.71A)	0.71Ah
Capacity affected by Temperature	40°C (104 °F)	102%
	25°C (77 °F)	100%
	0°C (32 °F)	85%
Max Discharge Current	13A (5 sec)	
Short Circuit Current	69.3A	
Internal Resistance	Full charged Battery (25°C/ 77 °F) 50mΩ	
Constant Voltage Charge	Cycle	Initial charging current less than 0.39A Voltage 14.4 - 15.0V at 25°C (77 °F) Temperature coefficient - 30mV/°C
	Standby	No limit on initial charging current Voltage 13.5-13.8V at 25°C (77 °F) Temperature coefficient -20mV/°C



CONSTANT CURRENT DISCHARGE RATING A @25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	4.717	2.935	2.210	1.350	0.794	0.365	0.243	0.128	0.068
1.65V	4.420	2.785	2.135	1.290	0.767	0.354	0.237	0.127	0.067
1.70V	4.048	2.675	2.080	1.173	0.742	0.344	0.231	0.125	0.066
1.75V	3.975	2.600	2.005	1.115	0.715	0.335	0.225	0.122	0.065
1.80V	3.565	2.488	1.828	1.032	0.689	0.325	0.221	0.121	0.064

CONSTANT POWER DISCHARGE RATING WATT PER CELL @25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	7.819	4.985	3.863	2.453	1.493	0.695	0.468	0.251	0.133
1.65V	7.411	4.826	3.788	2.369	1.449	0.679	0.458	0.248	0.131
1.70V	6.943	4.719	3.746	2.175	1.410	0.663	0.447	0.245	0.130
1.75V	6.967	4.670	3.664	2.086	1.367	0.648	0.439	0.242	0.128
1.80V	6.383	4.550	3.385	1.953	1.325	0.630	0.431	0.238	0.127