



Base Station Components

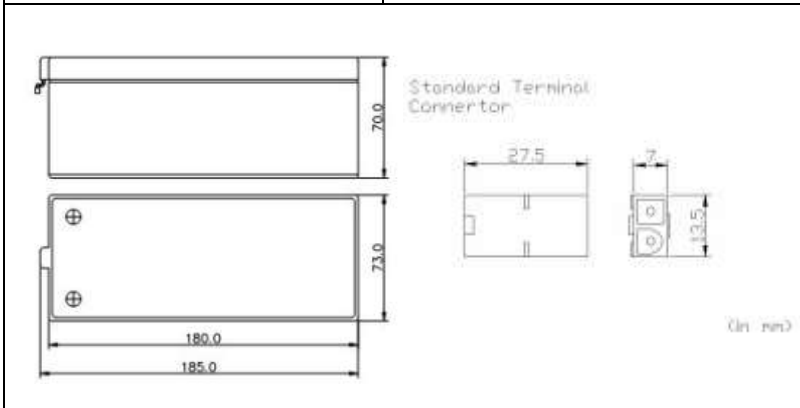
3.5Ah 24V Battery

PHYSICAL SPECIFICATION

Nominal Voltage		24V
Nominal Capacity (20HR)		3.5Ah
Dimension	Length	185±1mm (7.28 inches)
	Width	73.5±1mm (2.89 inches)
	Container Height	70.0±1mm (2.76 inches)
	Total Height	70.0±1mm (2.76 inches)
Weight		Approx. 2.84kg ±3% (6.26lbs) ±5%
Standard Terminal		Wire and Connector Type



Nova Code: **BAT-303**



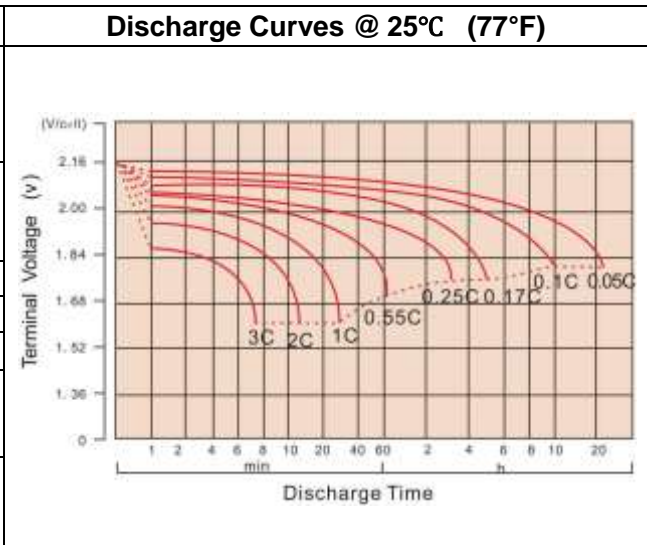
AGM VRLA Batteries have been developed as general purpose Batteries. They are valve regulated lead acid Batteries with high quality Absorbed Glass Mat (AGM) separators and high purity raw materials featured by perfectly good performance and reliable standby service life.

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	(0.175A) 3.5Ah
	10 hour rate	(0.328A) 3.3Ah
	5 hour rate	(0.595A) 3.0Ah
	3 hour rate	(0.875A) 2.6Ah
	1 hour rate	(1.925A) 2.0Ah
Capacity affected by Temperature	40°C (104 °F)	102%
	25°C (77 °F)	100%
	0°C (32 °F)	85%
Max Discharge Current	35A(5 sec)	
Short Circuit Current	185A	
Internal Resistance	Full charged Battery (25°C/ 77 °F) 60mΩ	
Constant Voltage Charge	Cycle	Initial charging current less than 1.05A Voltage 28.8~30.0V at 25°C(77 °F) Temperature coefficient – 60mV/°C
	Standby	No limit on initial charging current Voltage 27 - 27.6V at 25°C(77 °F) Temperature coefficient – 40mV/°C



CONSTANT CURRENT DISCHARGE RATING A @25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	13.26	9.385	6.785	3.896	2.138	0.988	0.660	0.345	0.183
1.65V	12.35	8.868	6.486	3.740	2.065	0.956	0.643	0.342	0.180
1.70V	11.14	8.163	6.074	3.575	1.998	0.932	0.627	0.337	0.178
1.75V	9.987	7.474	5.654	3.417	1.925	0.902	0.611	0.331	0.175
1.80V	8.770	6.766	5.220	3.266	1.852	0.875	0.595	0.328	0.172

CONSTANT POWER DISCHARGE RATING WATT PER CELL @25°C

F.V/TIME	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	21.98	15.95	11.85	7.078	4.019	1.884	1.273	0.678	0.358
1.65V	20.70	15.36	11.50	6.865	3.903	1.833	1.243	0.670	0.352
1.70V	19.10	14.40	10.93	6.628	3.798	1.793	1.216	0.662	0.350
1.75V	17.50	13.42	10.32	6.399	3.683	1.747	1.190	0.654	0.344
1.80V	15.69	12.36	9.670	6.178	3.561	1.698	1.163	0.646	0.341