

BA38-2

Sealed Lead Acid (SLA) Battery 24V 3.5Ah

Specification

Nominal Voltage (V)	24V (12 cells in series)	
Rated Capacity	3.5Ah	(C ₂₀ , 1.75V/cell)
Dimensions(mm)	Length	185 ± 2 mm
	Width	73 ± 1.5 mm
	Height	70 ± 1.5 mm
	Total Height	70 ± 1.5 mm
Nominal Capacity @ 25°C (Ah)	20 Hour rate (0.177A to 21.0 volts)	3.54Ah
	10 Hour rate (0.338A to 21.0 volts)	3.38Ah
	5 Hour rate (0.604A to 21.0 volts)	3.02Ah
	1 Hour rate (2.275A to 19.2 volts)	2.27Ah
	15 min rate (6.738A to 19.2 volts)	1.68Ah
Approx. Weight	2.35 kg	
Terminal	Special	
Max. Discharge Current	52.5A @ 25°C (5s)	
Internal Resistance	120mΩ @ 25°C (Full Charged Battery)	
Floating Design Life	5 years @ 25°C	
Ambient Temperature	Charge: -15°C~50°C Discharge: -20°C~60°C Storage: -20°C~50°C	
Container Material	A.B.S. UL94-HB, UL94-V0, Optional	
Self Discharge	VRLA batteries can be stored for more than 6 months at 25°C. Self-Discharge ratio less than 3% per month at 25°C. Please charge batteries before using.	



Certification



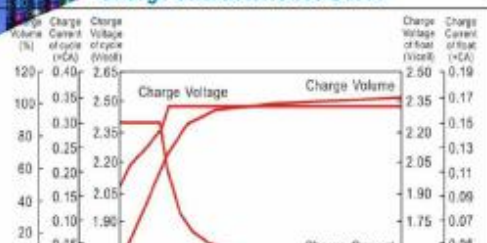
Constant Current Discharge Characteristics (A), (25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	13.81	9.048	6.738	3.588	2.275	1.282	0.915	0.617	0.409	0.350	0.187
1.70V/cell	12.53	8.383	6.353	3.483	2.224	1.262	0.893	0.608	0.403	0.341	0.181
1.75V/cell	11.25	7.858	6.003	3.378	2.196	1.251	0.884	0.604	0.399	0.338	0.177
1.80V/cell	10.10	7.350	5.653	3.273	2.165	1.241	0.873	0.597	0.394	0.333	0.170

Constant Wattage Discharge Characteristics (Watt), (25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	24.97	16.51	12.41	6.846	4.512	2.542	1.824	1.232	0.816	0.699	0.375
1.70V/cell	23.08	15.58	11.91	6.704	4.430	2.513	1.782	1.215	0.804	0.683	0.362
1.75V/cell	21.00	14.86	11.35	6.558	4.378	2.494	1.766	1.206	0.797	0.676	0.355
1.80V/cell	19.02	14.03	10.79	6.409	4.319	2.475	1.747	1.194	0.788	0.666	0.341

Charge Characteristics Curve



Discharge Characteristics Curve

