

Specifications

Nominal Voltage		12 V
Rated Capacity (20 hour rate)		12 Ah
Dimensions mm (inch)	Length	151mm (5.98 inches)
	Width	98 mm (3.86 inches)
	Height	96 mm (3.78 inches)
	Total Height	102mm (4.01 inches)
Approx. mass		4.2 Kgs

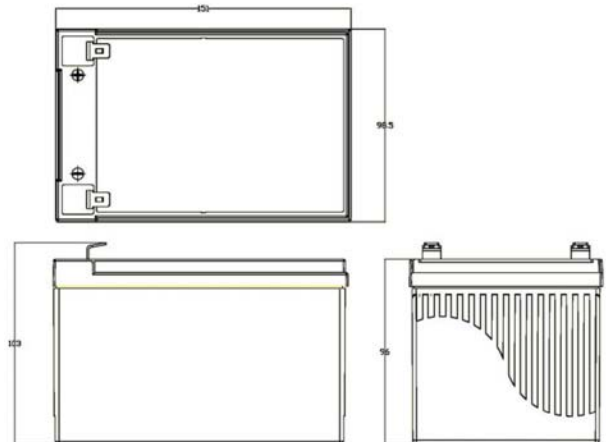
12AL012
12V 12Ah



Characteristics

Capacity 27°C (77°F)	20 hour rate to 10.5 ECV	12 Ah	
	10 hour rate to 10.5 ECV	11.17 Ah	
	5 hour rate to 10.5 ECV	10.25 Ah	
	1 hour rate to 10.5 ECV	7.5 Ah	
Internal resistance	Fully charge battery at 27°C	<18 milli ohms	
	104°F (40°C)	110%	
Capacity affected by temperature (20 hrs rate)	81°F (27°C)	100%	
	32°F (0°C)	80%	
	5°F (-15°C)	60%	
	Capacity after 3 month storage	88%	
Self discharge at 27°C	Capacity after 6 month storage	78%	
	Maximum discharge current for 5 sec at 27 °C	180 Amps	
Charge method (Constant voltage)	Cyclic use (Repeating use)	Initial current	3 Amps
		Control voltage	14.2V to 14.4V
	Trickle use	Initial current	1.2 Amps
		Control voltage	13.5 V to 13.8V

Dimensions



Constant current discharge ratings-amps at 27 °C

Duration ECV	5min	10min	15min	20min	30min	60min	2hrs	3hrs	5hrs	8hrs	10hrs	20hrs
1.3	48.00	30.00	23.08	18.46	13.33							
1.55	42.86	27.91	22.22	17.65	13.19	8.11						
1.6	39.87	27.10	21.66	17.19	13.04	7.79	4.73	3.23	2.22	1.379	1.167	0.643
1.7	36.04	25.45	19.80	15.94	12.00	7.59	4.34	3.035	2.06	1.319	1.139	0.610
1.75	35.29	24.49	19.35	15.79	11.88	7.50	4.29	3.030	2.05	1.311	1.117	0.600
1.8	33.99	24.00	19.05	15.38	11.76	7.18	4.26	3.02	2.03	1.304	1.111	0.597

Constant power discharge ratings-watts at 27 °C

ECV	5 min	10 min	15 min	20 min	30 min	60 min	2 hrs	3 hrs	5 hrs	8 hrs
1.60	492.59	332.50	261.38	210.97	154.54	96.71	59.46	39.08	26.72	16.57
1.70	466.14	326.33	294.49	203.07	147.69	93.21	54.46	36.90	24.92	16.14
1.80	419.91	292.64	226.07	188.33	141.54	89.71	49.87	35.32	23.63	15.70

Discharge current Vs Time at 27 °C

