

12AL018
12V 18Ah

Specifications

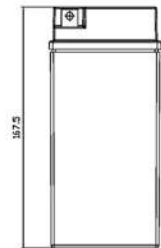
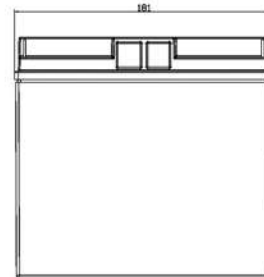
Nominal Voltage		12V
Rated Capacity (20 hour rate)		18 Ah
Dimensions mm (inch)	Length	181 mm (7.12 inches)
	Width	77.5 mm (3.05 inches)
	Height	167.5 mm (6.59 inches)
	Total Height	167.5 mm (6.59 inches)
Approx. mass		6.5 kgs



Characteristics

Capacity 27°C (77°F)	20 hour rate to 10.5 ECV	18 Ah	
	10 hour rate to 10.5 ECV	16.8 Ah	
	5 hour rate to 10.5 ECV	15.4 Ah	
	1 hour rate to 10.5 ECV	11.25 Ah	
Internal resistance	Fully charged battery at 27°C	<14 m Ohm s	
Capacity affected by temperature (20 hrs rate)	104°F (40°C)	110%	
	81°F (27°C)	100%	
	32°F (0°C)	80%	
	5°F (-15°C)	60%	
Self-discharge at 27°C	Capacity after 3 month storage	88%	
	Capacity after 6 month storage	78%	
Maximum discharge current for 5 sec at 27°C		270	
Charge method (Constant voltage)	Cyclic use (Repeating use)	Initial current	4.5 Amps
		Control voltage	14.2V to 14.4V
	Trickle use	Initial current	1.8 Amps
		Control voltage	13.5V 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	72.00	45.00	34.62	27.69	20.00							
1.55	64.29	41.86	33.33	26.47	19.78	12.16						
1.6	59.80	40.65	32.49	25.79	19.57	11.69	7.09	4.845	3.335	2.069	1.750	0.964
1.7	54.05	38.18	29.70	23.90	18.00	11.39	6.51	4.552	3.087	1.979	1.708	0.915
1.75	52.94	36.73	29.03	23.68	17.82	11.25	6.43	4.545	3.077	1.967	1.676	0.900
1.8	50.99	36.00	28.57	23.08	17.65	10.77	6.38	4.523	3.051	1.957	1.667	0.895

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	738.88	498.75	392.06	316.45	231.80	145.07	89.19	58.62	40.08	24.86
1.70	699.21	489.49	441.74	304.60	221.54	139.81	81.69	55.35	37.38	24.22
1.80	629.87	438.96	339.11	282.50	212.31	134.57	74.80	52.98	35.45	23.56

Discharge current Vs Time at 27°C

