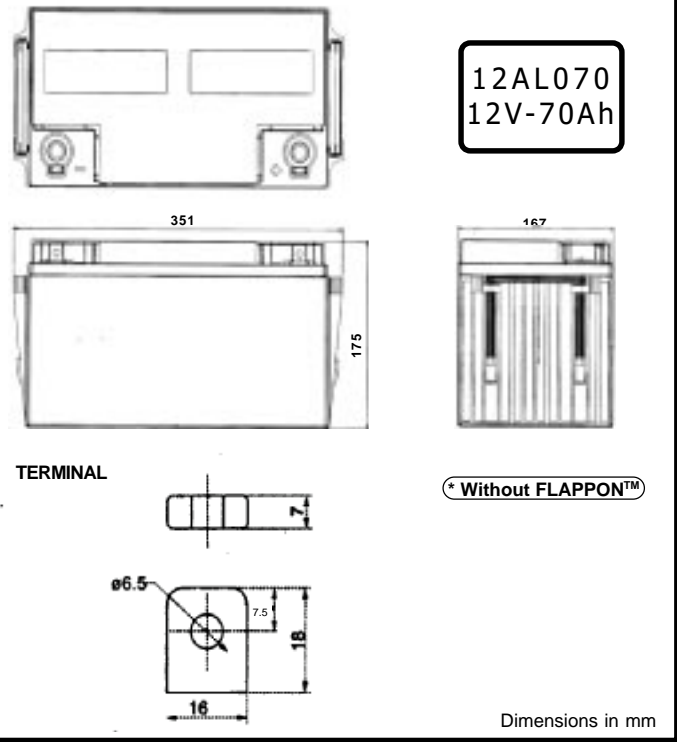




DIMENSIONS*



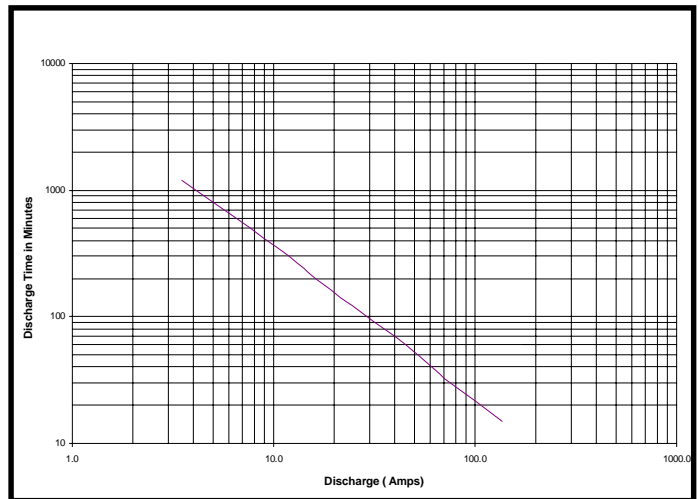
Specification

Nominal Voltage	12V	
Rated Capacity (20 hour rate)	70Ah	
Dimensions	Total Height (with terminals)	175mm
	Length	351mm
	Width	167mm
Weight	Approx. 23Kg	

Characteristics* :

Capacity 770F (25°C)	20 hour rate (3.5A) upto 10.5V 10 hour rate (6.51A) upto 10.5V 5 hour rate (12A) upto 10.2V 1 hour rate (45.5A) upto 9.6V 15 minute Rate (133A) upto 7.8V	70Ah 65Ah 60Ah 45.5Ah 33.25Ah
Internal Resistance	Full charged Battery 81°F (27°C)	5 mΩ
Capacity affected by (temperature (20 hour rate)	104°F (40°C) 81°F (27°C) 32°F (0°C) 5°F (-15°C)	110% 100% 80% 60%
Self discharge 88°F (27°C)	Capacity after 3 month storage Capacity after 6 month storage	88% 78%
Terminal	B6	
Max. discharge current 81°F (27°C)	1050 A (5S)	
Short circuit current	2367.8 A	

Discharge Current VS Time (27°C)



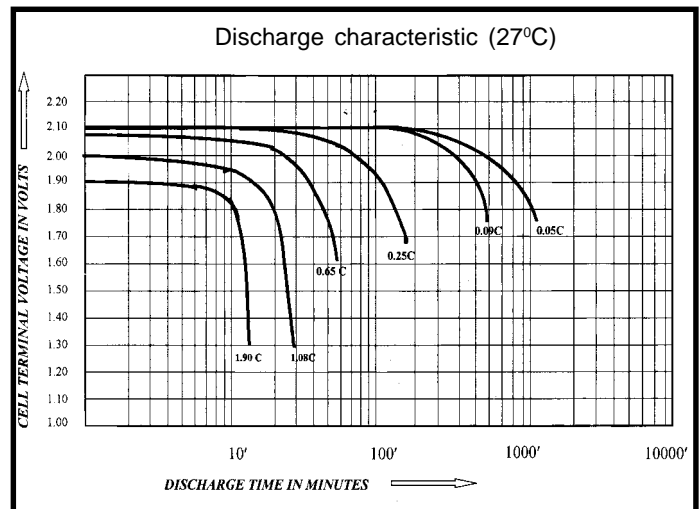
Constant power discharge rating watts per battery at 27°C *

ECV	TIME									
	5min	10min	15min	20min	30min	60min	2hrs	3hrs	5hrs	8hrs
1.8	2445	1718	1346	1104	835	512	318	226	153	100
1.7	2714	1899	1455	1179	888	543	325	229	156	102
1.6	2848	1842	1508	1208	918	555	334	232	158	103

CONSTANT CURRENT DISCHARGE RATINGS-AMPERES AT 27°C*

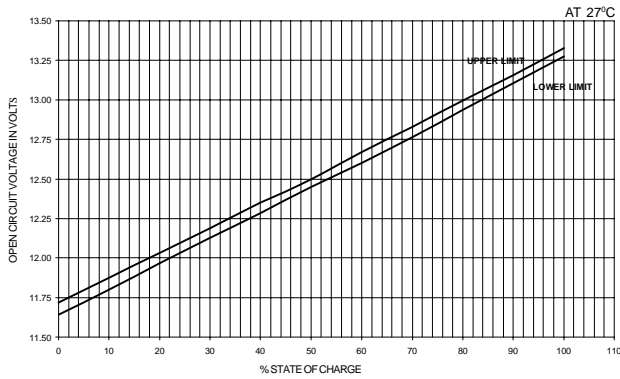
Duration ECV	TIME											
	5min	10min	15min	20min	30min	60min	2hrs	3hrs	5hrs	8hrs	10hrs	20hrs
1.3	280.00	175.00	134.62	107.69	77.78							
1.55	250.00	162.79	129.63	102.94	76.92	47.30						
1.6	232.56	158.08	126.35	100.29	76.09	45.45	27.57	18.84	12.97	8.05	6.81	3.75
1.7	210.21	148.46	115.51	92.96	70.00	44.30	25.33	17.70	12.01	7.70	6.64	3.56
1.75	205.88	142.86	112.90	92.11	69.31	43.75	25.00	17.68	11.97	7.65	6.52	3.50
1.8	198.30	140.00	111.11	89.74	68.63	41.87	24.82	17.59	11.86	7.61	6.48	3.48

Discharge characteristic (27°C)

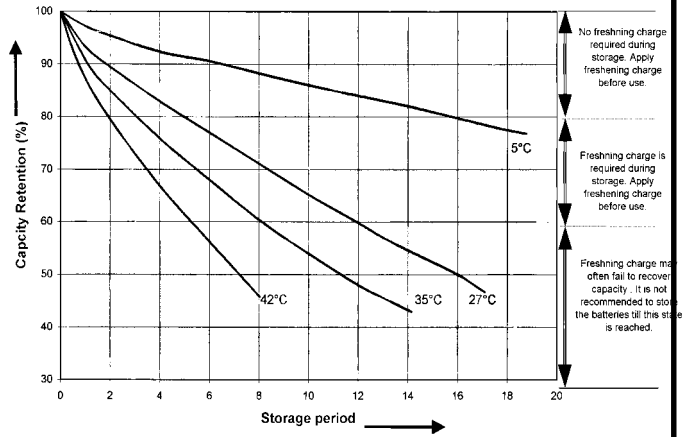


* The above data are average values, and can be obtained within 3 charge / discharge cycles.

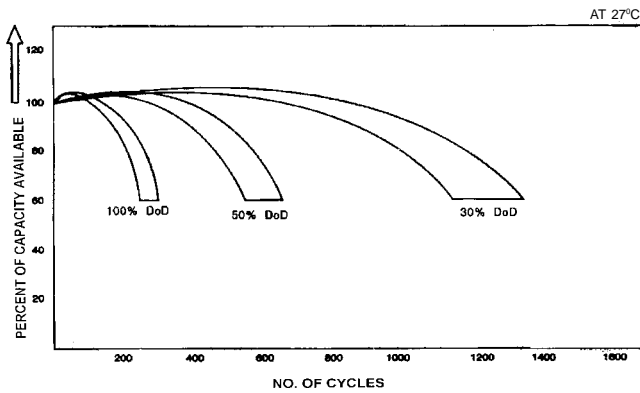
OPEN CIRCUIT VOLTAGE VS % STATE OF CHARGE



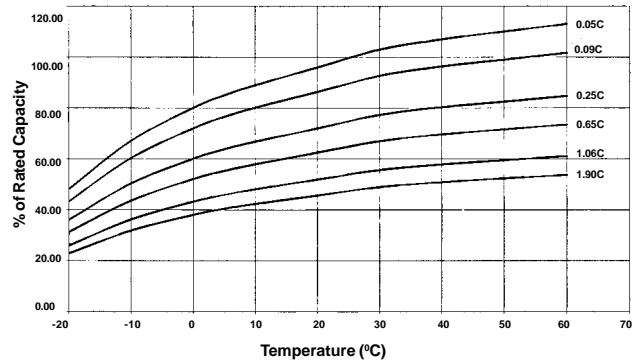
SELF DISCHARGE CHARACTERISTIC



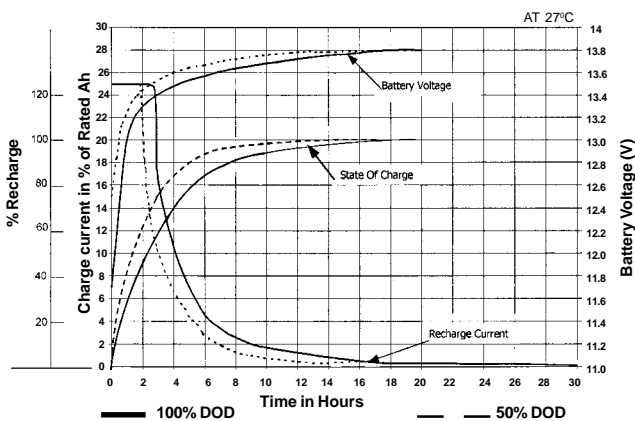
CYCLIC SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



TEMPERATURE EFFECT IN RELATION TO BATTERY CAPACITY



CONSTANT VOLTAGE CHARGING CHARACTERISTIC



CHARGING METHODS:

Constant Voltage Charging at 27°C.

- Standby use : charging voltage 13.5volts/Battery
- Max.Charging current : 25% of rated capacity
- Cyclic use : Charging voltage 13.8volts/Battery
- Max.Charging current : 25% of rated capacity
- Temperature compensation : -5 mV / °C

AMARA RAJA BATTERIES LTD.

(An Amara Raja - Johnson Controls Company)

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CAUTION:

- ⚡ Avoid short circuit
- ⚡ Do not charge in a sealed container.

Quality Systems Certified to
 EN ISO 9001: 1994
 QS-9000:1998
 EN ISO 14001:1996



LONG LIFE UPS BATTERY FROM THE MAKERS OF **AMARA**