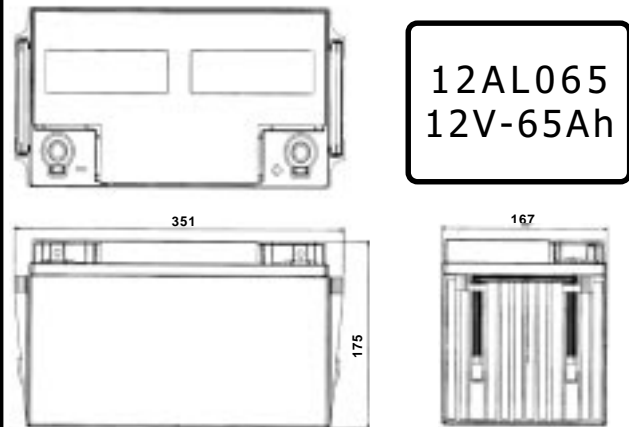


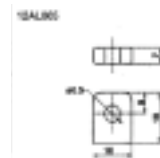


DIMENSIONS*



**12AL065
12V-65Ah**

TERMINAL



* Without FLAPPON™

Dimensions in mm

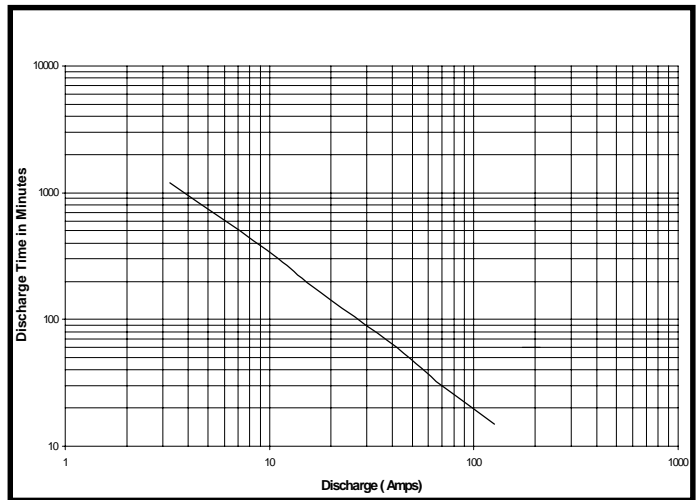
Specification

Nominal Voltage		12V
Rated Capacity (20 hour rate)		65Ah
Dimensions	Total Height (with terminals)	175mm
	Length	351mm
	Width	167mm
Weight		Approx. 23Kg

Characteristics* :

Capacity 770F (25°C)	20 hour rate (3.25A) upto 10.5V	65Ah
	10 hour rate (6.1A) upto 10.5V	61Ah
	5 hour rate (11.05A) upto 10.2V	55.25Ah
	1 hour rate (42A) upto 9.6V	42Ah
	15 minute Rate (126A) upto 7.8V	31.5Ah
Internal Resistance	Full charged Battery 81°F (27°C)	5mΩ
Capacity affected by (temperature (20 hour rate)	104°F (40°C)	110%
	81°F (27°C)	100%
	32°F (0°C)	80%
	5°F (-15°C)	60%
Self discharge 88°F (27°C)	Capacity after 3 month storage	88%
	Capacity after 6 month storage	78%
Terminal	B6	
Max. discharge current 81°F (27°C)	975 A (5S)	
Short circuit current	2367.8 A	

Discharge Current VS Time (27°C)



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

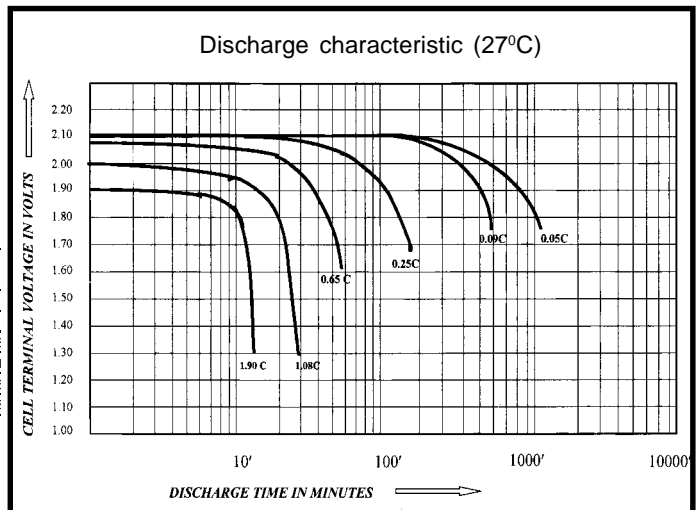
ECV	TIME									
	5min	10min	15min	20min	30min	60min	2hrs	3hrs	5hrs	8hrs
1.8	2270	1595	1250	1025	775	475	295	210	142	93
1.7	2520	1763	1351	1095	825	504	302	213	145	94.5
1.6	2645	1710	1400	1122	852	515	310	215	147	96

CONSTANT CURRENT DISCHARGE RATINGS-AMPERES AT 27°C*

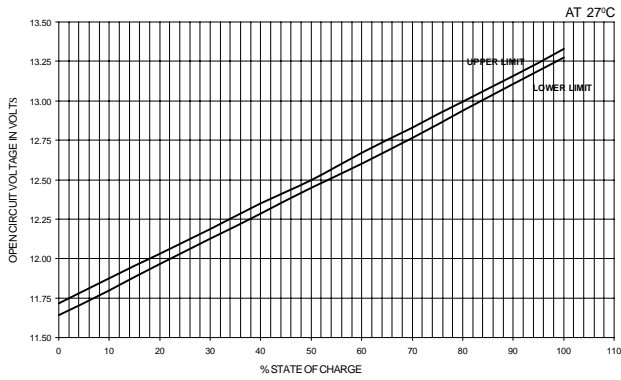
Duration ECV	TIME											
	5min	10min	15min	20min	30min	60min	2hrs	3hrs	5hrs	8hrs	10hrs	20hrs
1.3	260.00	162.50	125.00	100.00	72.22							
1.55	232.14	151.16	120.37	95.59	71.43	43.92						
1.6	215.95	146.79	117.33	93.12	70.65	42.21	25.60	17.50	12.04	7.47	6.32	3.4E
1.7	195.20	137.86	107.26	86.32	65.00	41.14	23.53	16.44	11.15	7.15	6.17	3.31
1.75	191.18	132.65	104.84	85.53	64.36	40.63	23.21	16.41	11.11	7.10	6.05	3.2E
1.8	184.14	130.00	103.17	83.33	63.73	38.88	23.05	16.33	11.02	7.07	6.02	3.2E

* The above data are average values, and can be obtained within 3 charge / discharge cycles. These are not minimum values.

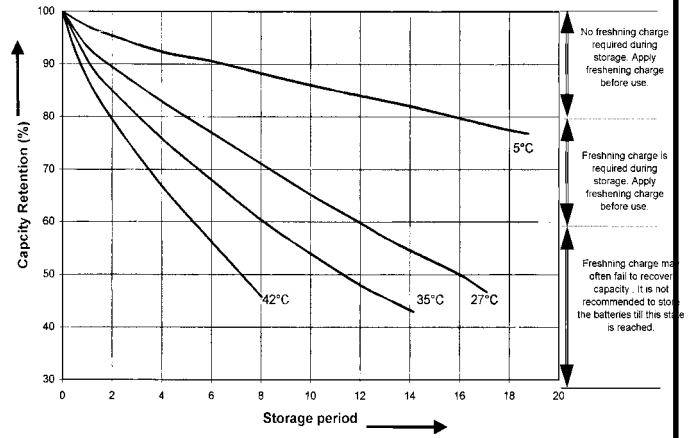
Discharge characteristic (27°C)



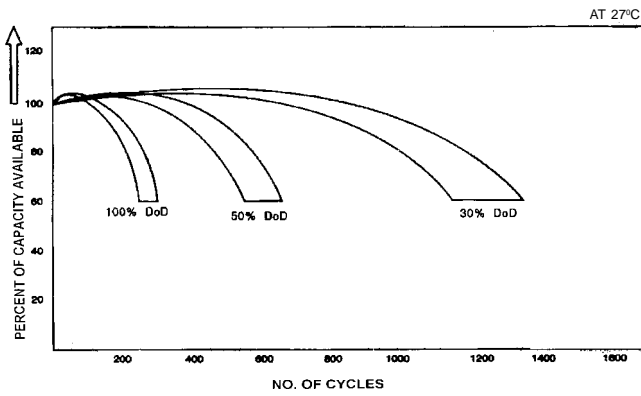
OPEN CIRCUIT VOLTAGE VS % STATE OF CHARGE



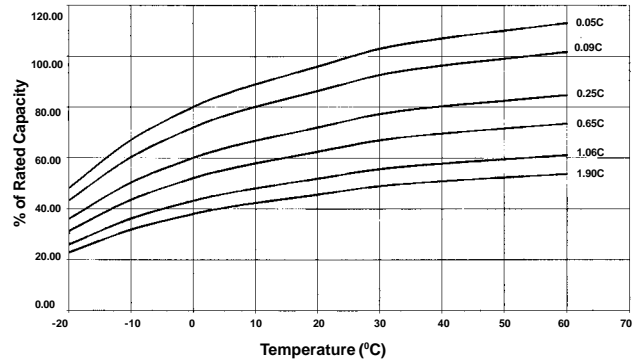
SELF DISCHARGE CHARACTERISTIC



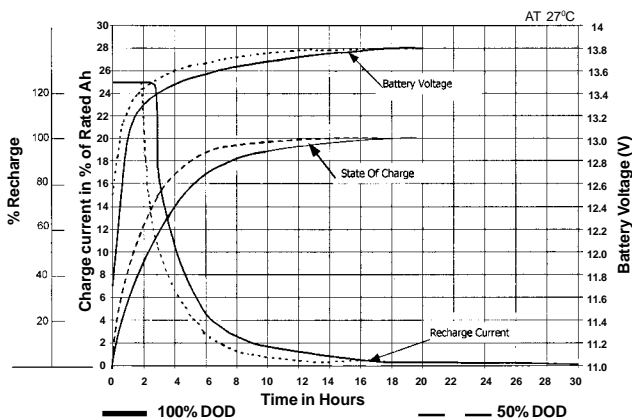
CYCLIC SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



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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Corporate Operations Office:

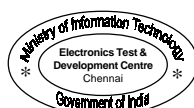
Corporate Marketing Office & Customer Support Centre
 12, Kodambakkam High Road, Chennai - 600 034, India.

☎: +91-44-821 3270, : +91-44-828 4821

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**