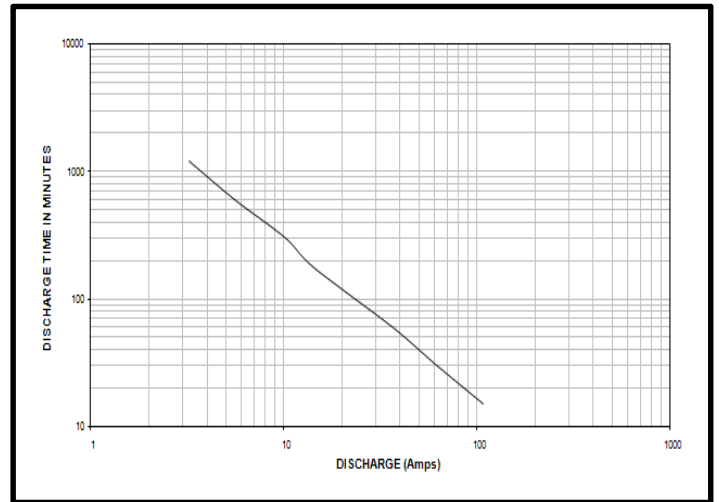


**Specification**

Nominal voltage	12 Volts	
Rated capacity (C <sub>20</sub> Hour rate)	65 Ampere Hour	
Dimensions	Height (with terminals)	175 mm
	Length	351 mm
	Width	167 mm
Weight ± 1.0 Kgs (approx.)	20.0 Kgs	

**Characteristics \***

Capacity @ 81°F (27°C)	20 hour rate (3.25A) upto 10.5V	65.0 Ah
	10 hour rate (5.59) upto 10.5V	55.9 Ah
	5 hour rate (10.29A) upto 10.2V	51.46 Ah
	1 hour rate (36.36A) upto 9.6V	36.36 Ah
	15 minute rate (107.69A) upto 7.8V	26.92 Ah
Internal resistance	Fully charged battery 81°F (27°C)	9.4 mΩ
Capacity affected (Temperature at C <sub>20</sub> hour rate)	104°F (40°C)	110 %
	81°F (27°C)	100 %
	32°F (0°C)	80 %
	5°F (-15°C)	60%
Self discharge 81°F (27°C)	Capacity after 3 month storage	88 %
	Capacity after 6 month storage	78 %
Terminal Type	B6	
Short circuit current	1382 A	

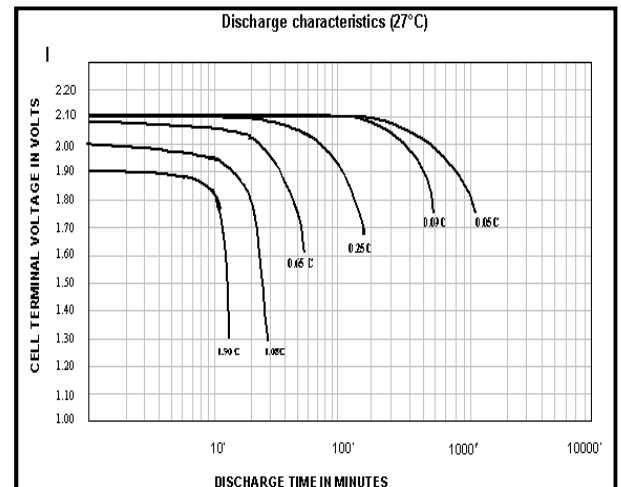


**Constant power discharge rating watts per battery at @ 27 °C \***

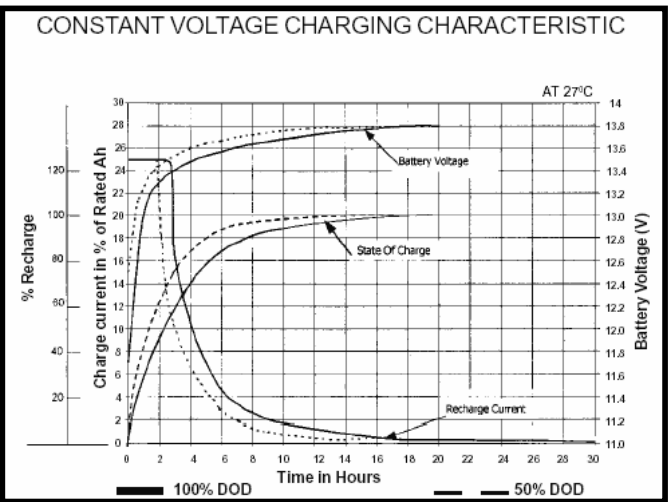
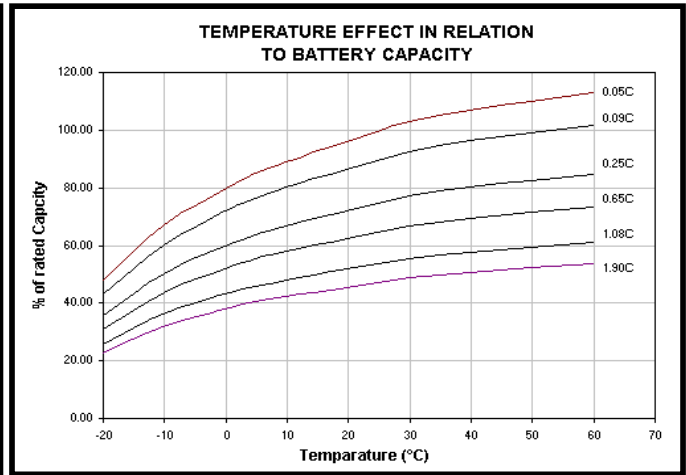
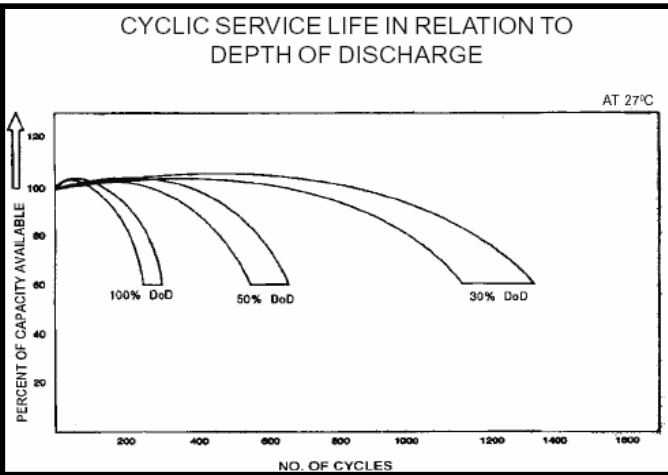
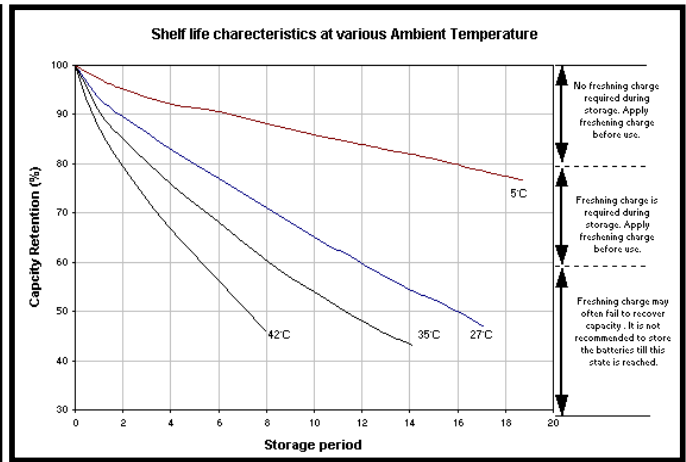
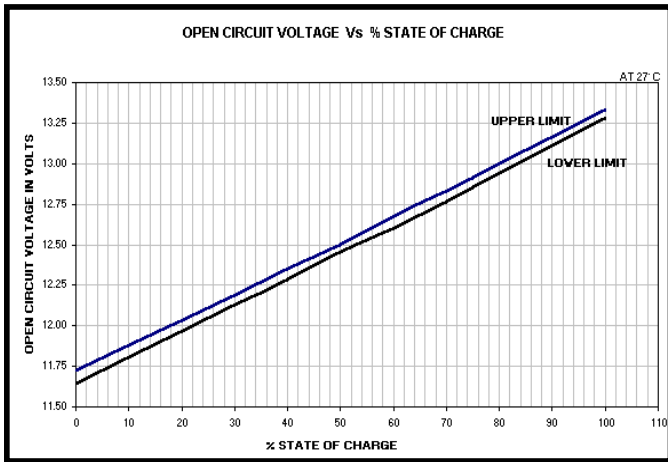
ECV	DURATION											
	5 min	10 min	15 min	20 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
1.80	1816	1276	1000	820	620	380	236	168	114	74	64	29
1.70	2016	1410	1081	876	660	403	242	170	116	76	66	30
1.60	2116	1368	1120	898	682	412	248	172	118	77	66	30

**Constant current discharge rating amperes @ 27 °C \***

ECV	DURATION											
	5 min	10 min	15 min	20 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
1.30	224.00	140.00	107.69	86.15	62.22							
1.55	200.00	130.23	103.70	82.35	61.54	37.84						
1.60	186.05	126.47	101.08	80.23	60.87	36.36	22.06	15.07	11.12	6.90	5.83	3.48
1.70	168.17	118.77	92.41	74.37	56.00	35.44	20.27	14.16	10.29	6.60	5.69	3.31
1.75	164.71	114.29	90.32	73.68	55.45	35.00	20.00	14.14	10.26	6.56	5.59	3.25
1.80	158.64	112.00	88.89	71.79	54.90	33.49	19.86	14.07	10.17	6.52	5.56	3.23



Note: This Product should be offered for the standard warranty of 12 months only.  
The above data are average values and can be obtained within three charge/discharge cycles.



**CHARGING METHODS:**

Constant voltage charging at 27°C

Stand by use : Charging voltage 13.5V/battery  
Max. Charging current : 25 % of rated Ah capacity

Cyclic use : Charging voltage 13.8V/Battery  
Max. Charging current : 25 % of rated Ah capacity

Temperature compensation : 18 mV/battery/°C

**CAUTION:**

- Avoid short circuit
- Don't charge in a sealed container

**AMARARAJA BATTERIES LTD.**  
(An Amara Raja – Johnson controls company)

**Regd. Office**  
**Manufacturing facility & Central distribution center**  
Karakambadi - 517 520, Tirupathi – AP , INDIA  
☎ +91-877-2285561 📠 +91-877-2285600  
✉ amararaja@amararaja.co.in

**Corporate operations office (COO)**  
**Central marketing office & customer support centre**  
5th Floor, Astra Towers, HiTech City, Kondapur, Hyderabad - 38  
INDIA ☎ +91-40-2368 3000 📠 +91-40-2311 8219  
✉ mktg@amararaja.co.in