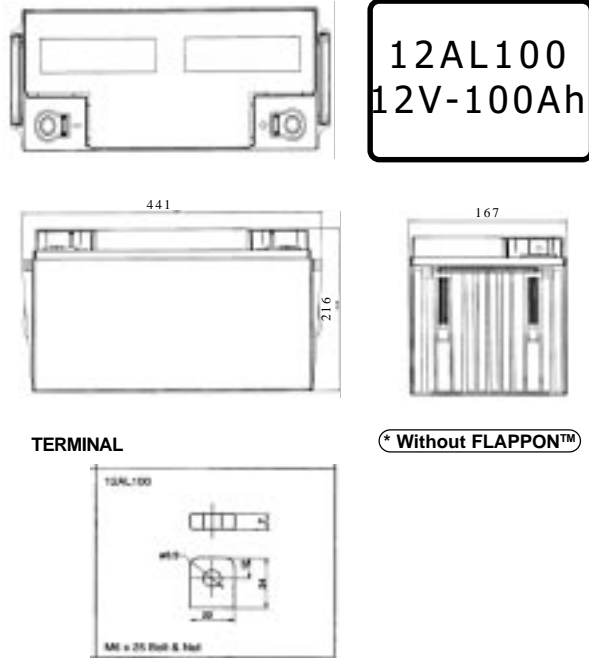




DIMENSIONS*



Dimensions in mm

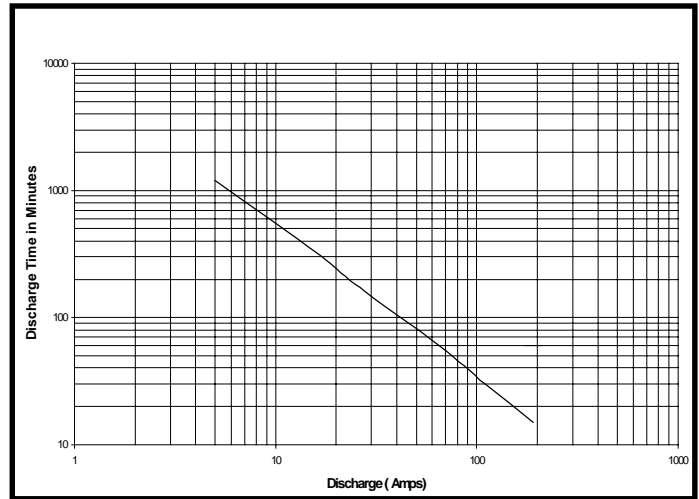
Specification

Nominal Voltage		12V
Rated Capacity (20 hour rate)		100Ah
Dimensions	Total Height (with terminals)	216mm
	Length	441mm
	Width	167mm
Weight		Approx. 35Kg

Characteristics* :

Capacity 770F (25°C)	20 hour rate (5A) upto 10.5V 10 hour rate (9.3A) upto 10.5V 5 hour rate (17A) upto 10.2V 1 hour rate (65A) upto 9.6V 15 minute Rate (190A) upto 7.8V	100Ah 93Ah 85Ah 65Ah 47.5Ah
Internal Resistance	Full charged Battery 81°F (27°C)	4 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)	1500 A (5S)	
Short circuit current	2916.4 A	

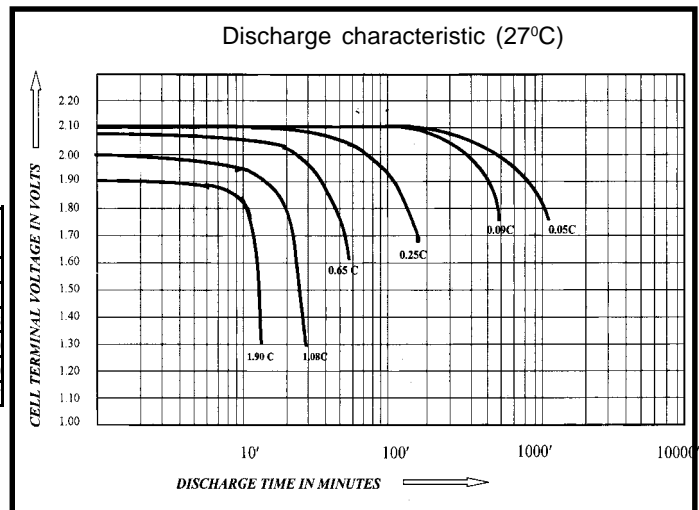
Discharge Current VS Time (27°C)



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

ECV	TIME										
	5min	10min	15min	20min	30min	60min	2hrs	3hrs	5hrs	8hrs	
1.8	3310	2420	1950	1598	1198	685	430	325	218	143	
1.7	3670	2650	2155	1660	1240	730	446	330	225	147	
1.6	3900	2748	2258	1695	1323	755	459	336	232	151	

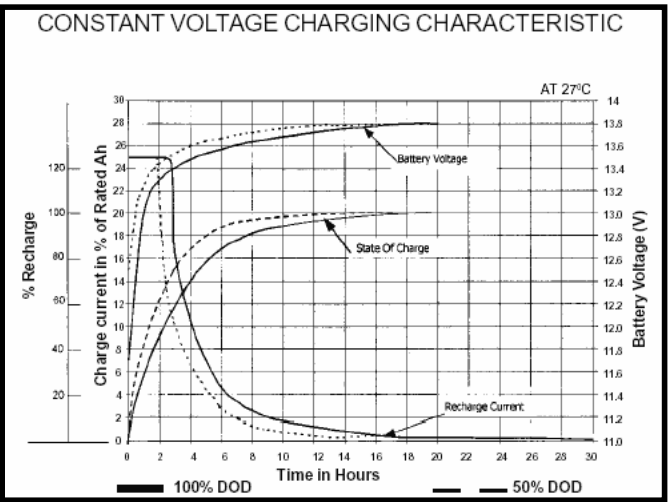
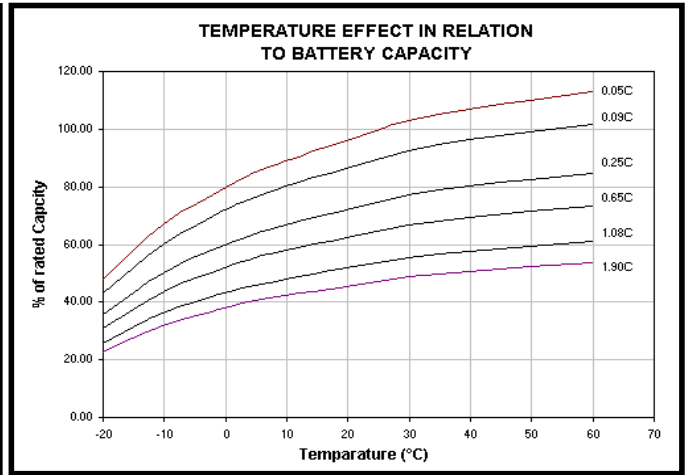
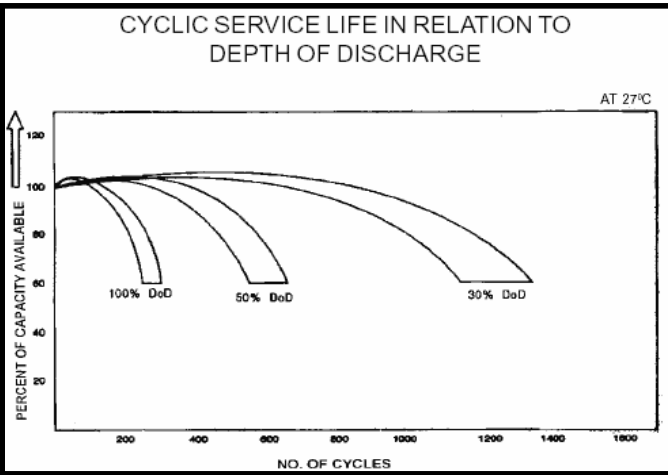
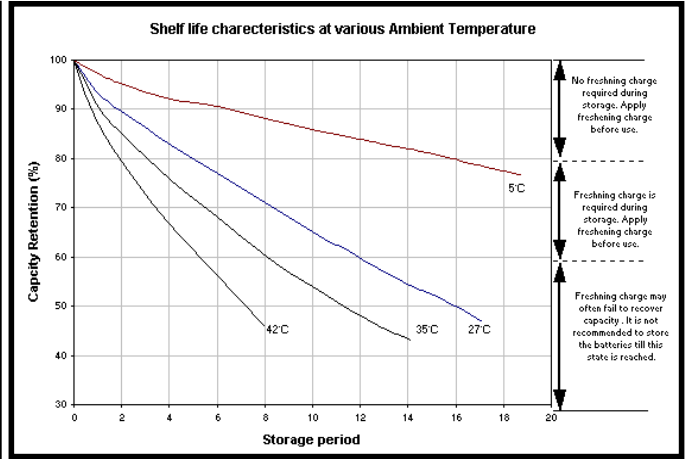
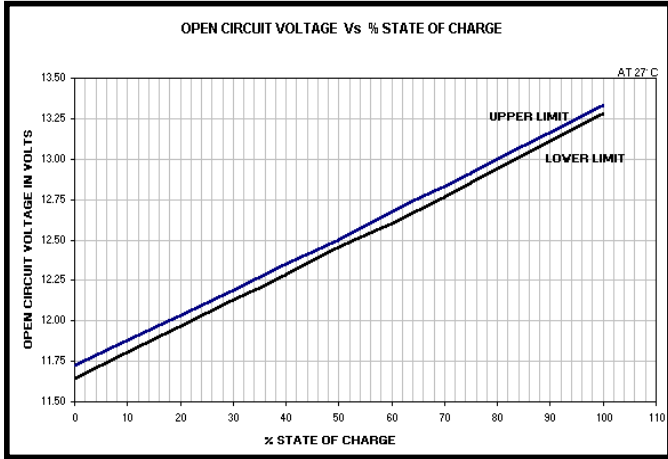
Discharge characteristic (27°C)



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	400.00	250.00	192.31	153.85	111.11							
1.55	357.14	232.56	185.19	147.06	109.89	67.57						
1.6	332.23	225.84	180.51	143.27	108.70	64.94	39.39	26.92	18.53	11.49	9.72	5.36
1.7	300.30	212.09	165.02	132.80	100.00	63.29	36.19	25.29	17.15	10.99	9.49	5.09
1.75	294.12	204.08	161.29	131.58	99.01	62.50	35.71	25.25	17.09	10.93	9.31	5.00
1.8	283.29	200.00	158.73	128.21	98.04	59.81	35.46	25.13	16.95	10.87	9.26	4.97

* The above data are average values, and can be obtained within 3 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

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Quality systems certified to
EN ISO 14001:2004
ISO/TS 16949: 2002

