

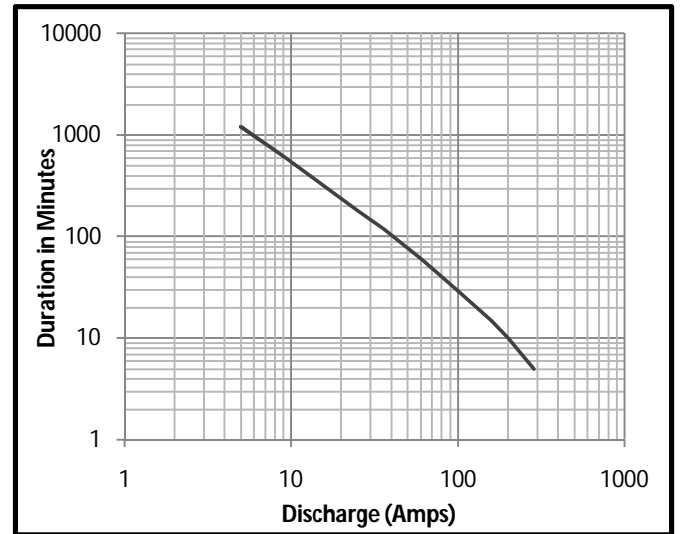
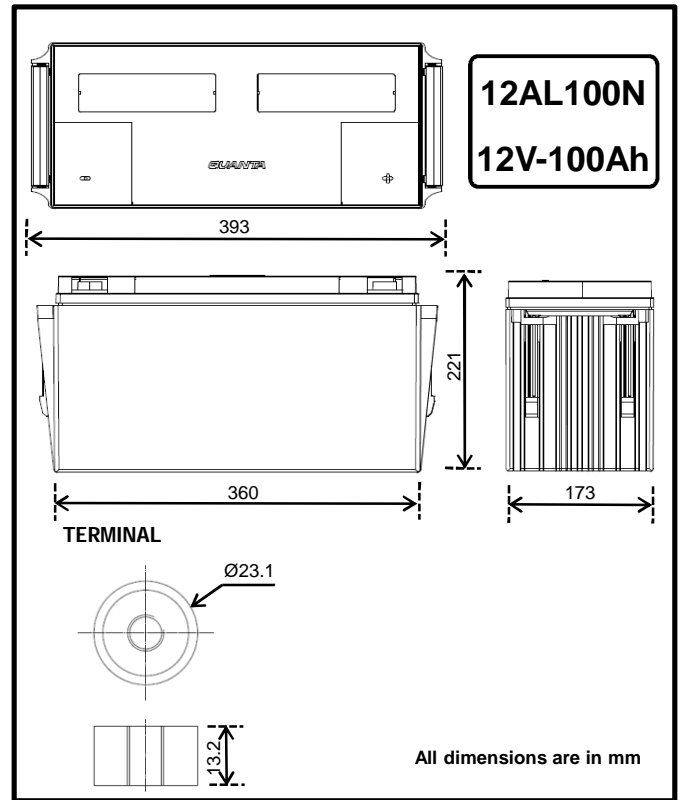


Specification

Nominal voltage	12 Volts	
Rated capacity (C ₂₀ Hour rate at 27°C)	100 Ampere Hour	
Dimensions	Length	393mm
	Width	173mm
	Height	221mm
Weight ± 1.0 Kgs (approx.)	32.5 Kgs	

Characteristics *

Capacity@ 80.6°F (27°C)	20 hour rate (5.0A) upto 10.5V	100.0 Ah
	10 hour rate (9.31A) upto 10.5V	93.1 Ah
	5 hour rate (17.15A) upto 10.2V	85.75 Ah
	1 hour rate (63.7A) upto 9.6V	63.75 Ah
	15 minute rate (172.4A) upto 9.6V	43.1 Ah
Internal resistance	Fully charged battery 80.6°F (27°C)	5.6 mΩ
Capacity affected (Temperature at C ₂₀ hour rate)	104°F (40°C)	110%
	80.6°F (27°C)	100%
	32°F (0°C)	80%
	5°F (-15°C)	60%
Self discharge 80.6°F (27°C)	Capacity after 3 month storage	90%
	Capacity after 6 month storage	80%
Terminal Type	M8x25 mm Copper terminal	
Short circuit current	2220 A	

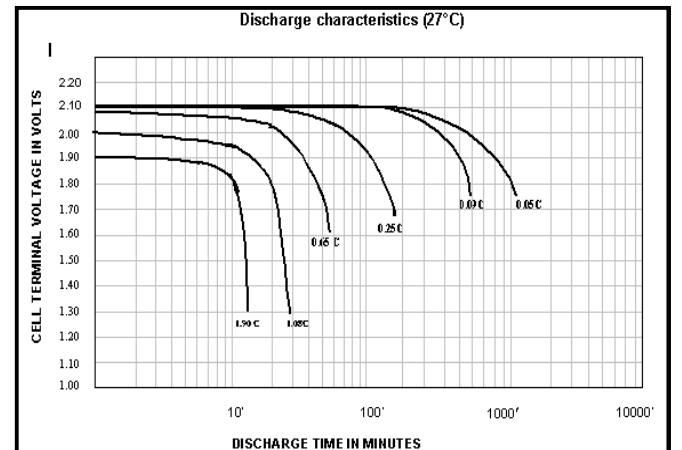


Constant power discharge rating watts per battery @ 27 °C*

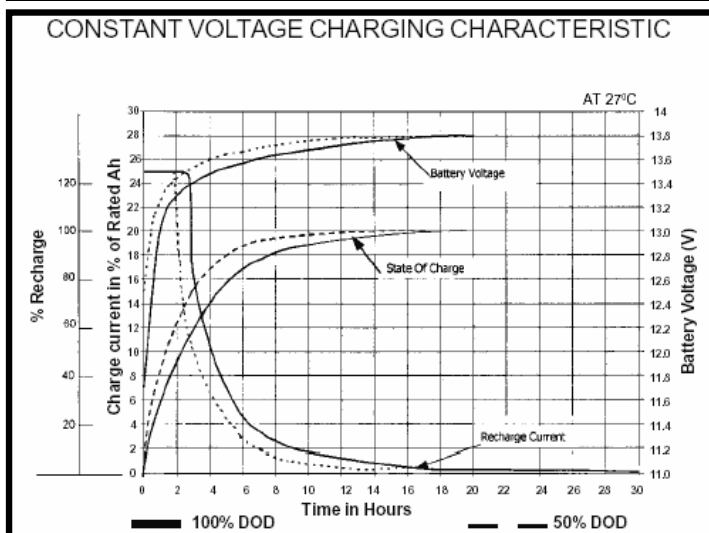
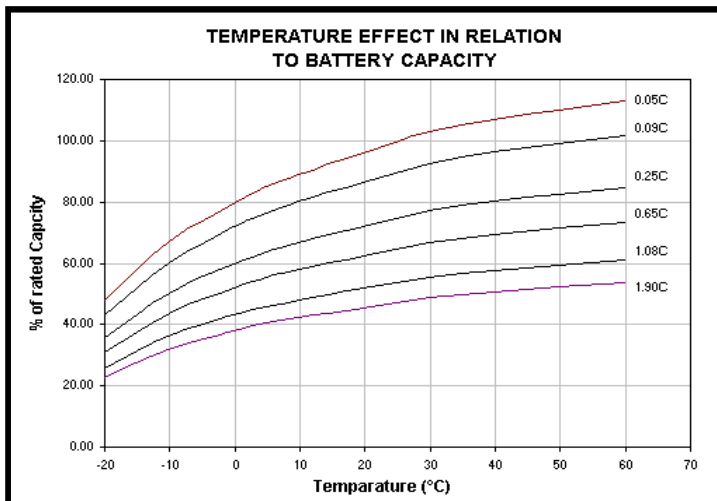
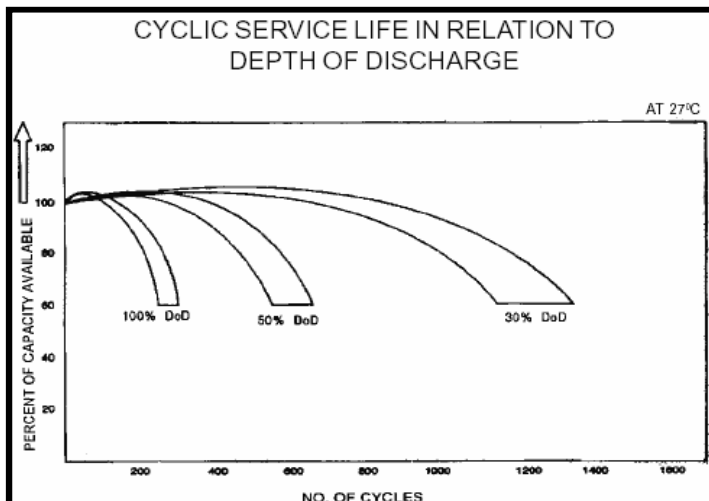
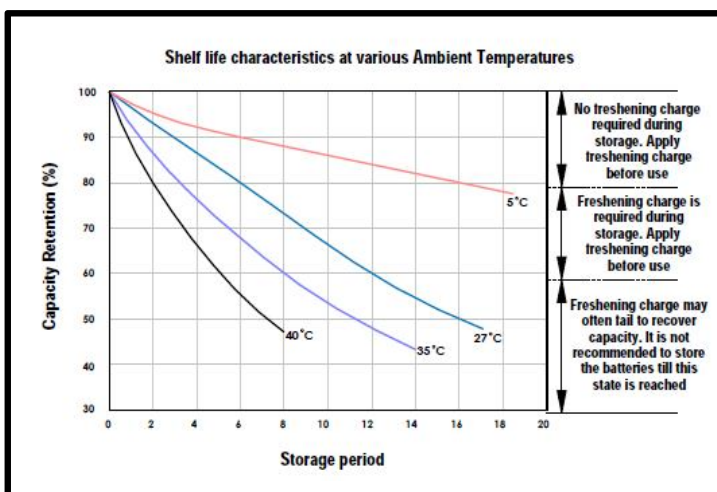
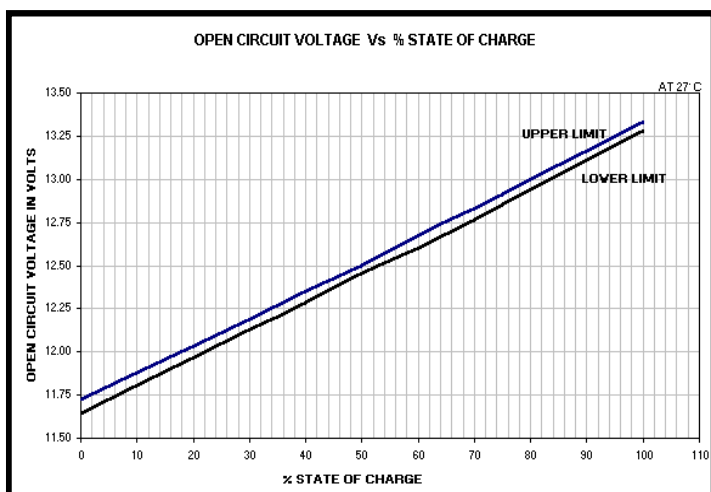
ECV	DURATION										
	10 min	15 min	20 min	30 min	60 min	2 hrs	3 hrs	5 hrs	8 hrs	10 hrs	20 hrs
1.8	2200	1815	1496	1129	683	426	295	202	139	118	60
1.7	2409	1954	1588	1204	725	441	319	212	145	121	61
1.6	2476	2021	1628	1211	750	453	331	222	151	122	62

Constant current discharge rating amperes @ 27 °C *

ECV	DURATION										
	5 min	10 min	15 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
1.60	285.70	217.39	172.41	102.04	63.69	39.39	26.92	18.53	11.49	9.72	5.36
1.70	263.10	204.10	161.30	99.00	62.50	36.19	25.29	17.15	10.99	9.49	5.09
1.75	256.40	200.00	158.70	98.00	61.00	35.71	25.25	17.09	10.93	9.31	5.00
1.80	250.00	196.10	153.80	96.20	59.50	35.46	25.13	16.95	10.87	9.26	4.97



* 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

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CAUTION:

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