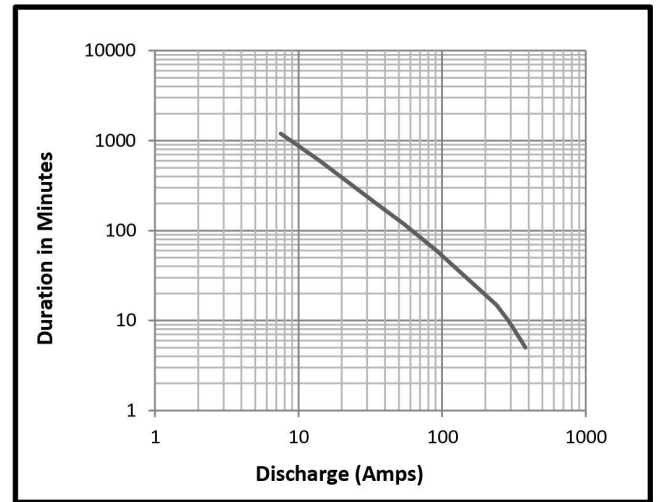


**Specification**

Nominal voltage	12 Volts	
Rated capacity (C <sub>20</sub> Hour rate at 27°C)	150 Ampere Hour	
Dimensions	Length	453mm
	Width	173mm
	Height	251mm
Weight ± 1.0 Kgs (approx.)	45.0 Kgs	

**Characteristics \***

Capacity@ 80.6°F (27°C)	20 hour rate (7.50A) upto 10.5V	150.0 Ah
	10 hour rate (13.97A) upto 10.5V	139.70 Ah
	5 hour rate (25.73A) upto 10.2V	128.65 Ah
	1 hour rate (95.54A) upto 9.6V	95.54 Ah
	15 minute rate (258.62A) upto 9.6V	64.65 Ah
Internal resistance	Fully charged battery 80.6°F (27°C)	4.86 mΩ
Capacity affected (Temperature at C <sub>20</sub> 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	M8×25 mm Copper terminal	
Short circuit current	2633 A	

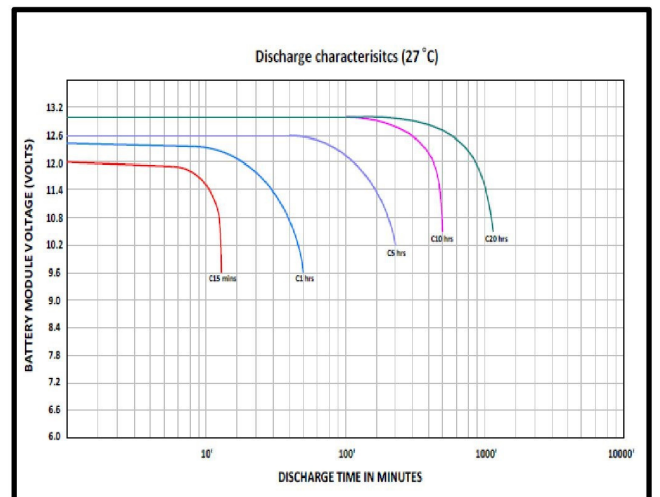


**Constant power discharge rating watts per battery @ 27 °C\***

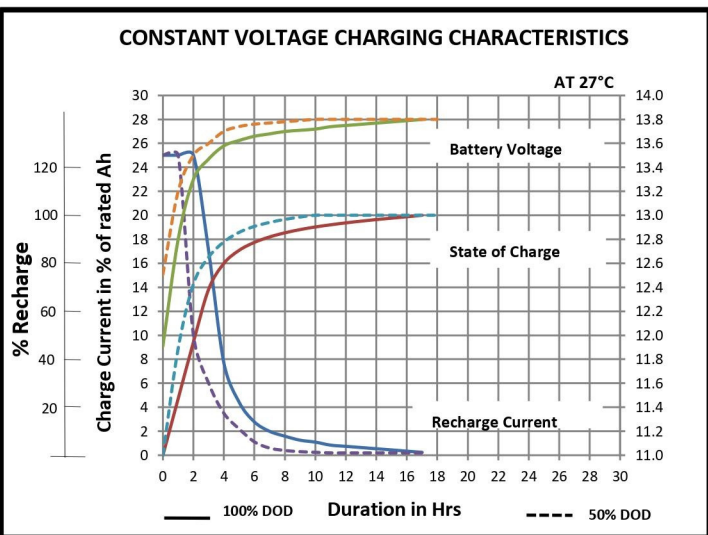
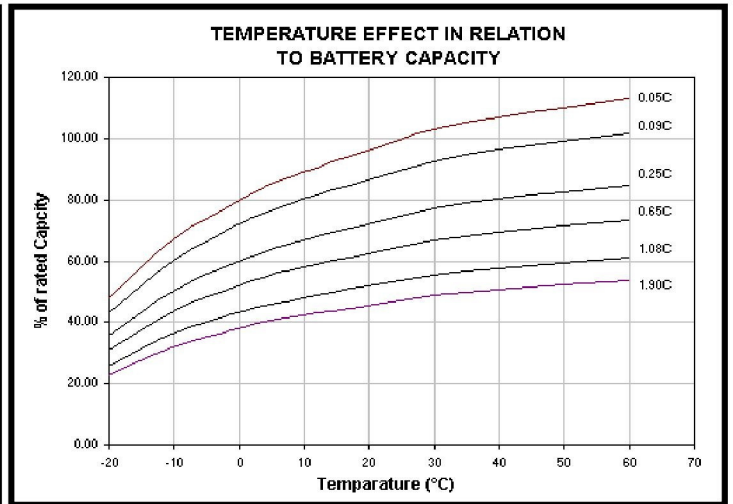
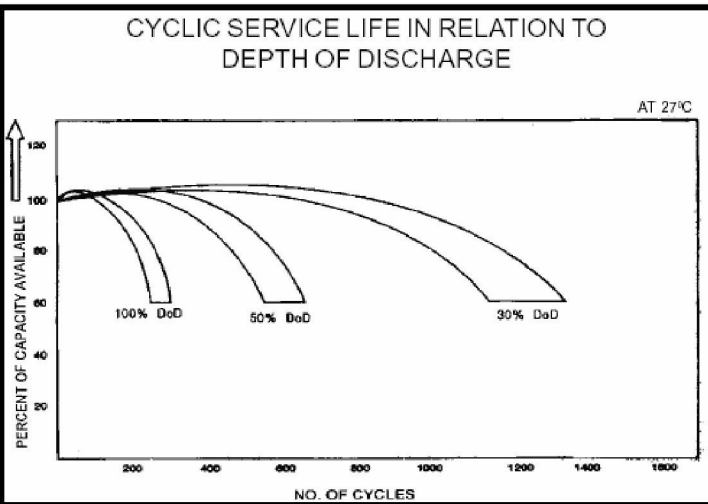
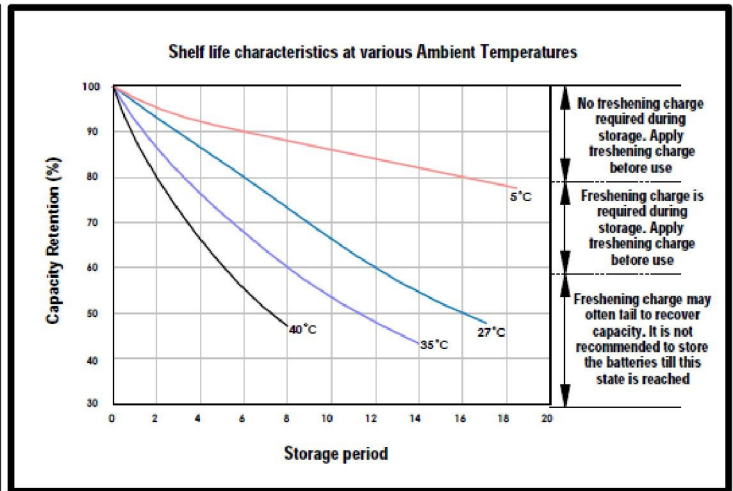
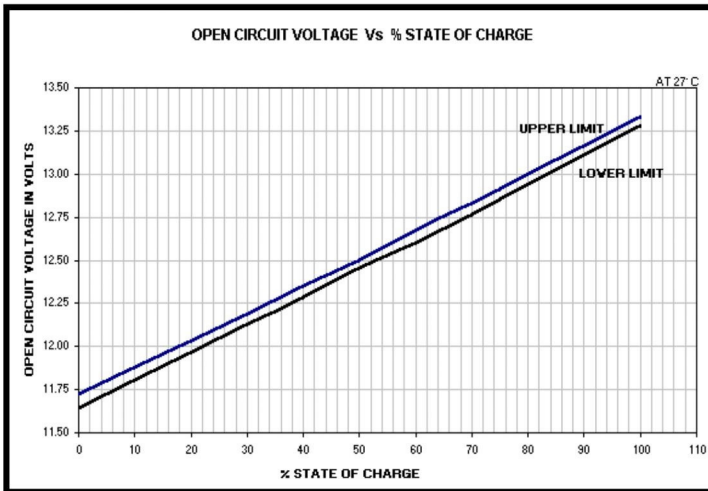
ECV	DURATION											
	10 min	15 min	20 min	30 min	60 min	2 hrs	3 hrs	5 hrs	8 hrs	10 hrs	20 hrs	
1.60	3594	2801	2269	1817	1125	680	495.0	340.0	225.0	183.0	93.0	
1.65	3441	2764	2223	1786	1100	670	483.5	325.5	219.0	181.5	92.5	
1.70	3288	2727	2177	1755	1075	659	470.0	318.0	213.0	180.0	92.0	
1.75	3135	2690	2127	1724	1050	649	456.0	310.0	210.0	178.5	91.0	
1.80	2982	2570	2078	1693	1024	638	442.0	302.0	207.0	177.0	90.0	

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

ECV	DURATION											
	10 min	15 min	20 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr	
1.60	326.09	258.62	211.26	153.06	95.54	59.08	40.38	27.79	17.24	14.59	8.03	
1.65	316.11	250.28	204.31	150.79	94.65	56.69	39.16	26.76	16.87	14.41	7.83	
1.70	306.12	241.94	197.36	148.51	93.75	54.29	37.94	25.73	16.49	14.23	7.63	
1.75	300.00	238.10	194.80	147.06	91.46	53.57	37.88	25.64	16.39	13.97	7.50	
1.80	294.12	230.77	189.80	144.23	89.29	53.19	37.69	25.42	16.30	13.89	7.46	



\*Note: 1. The above data are average values per battery and can be obtained within five charge/discharge cycles.  
 2. A tolerance of ±5% is applicable for the above constant power discharge and constant current discharge values.  
 3. Recommended to follow IEEE - 485 Standard for Battery sizing (In terms of Aging Margin, Design Margin) for Optimal Performance & Life.  
 4. Considerable Voltage drop across cables, if any shall be considering during battery sizing.



**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 Edge:**

- ISO 9001: 2015
- ISO 14001: 2015
- OHSAS 18001:2007

**International Compliance:**

- Compliance to JISC8702 Standard
- Complies to UL
- Complies to CE Marking