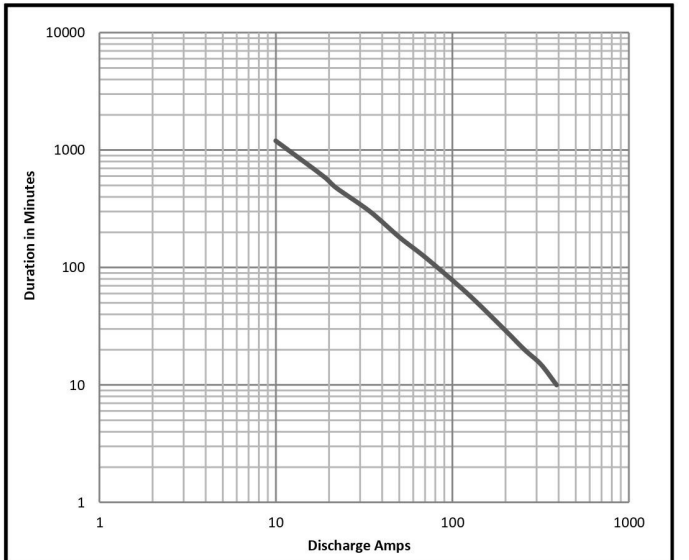


Specification

Nominal voltage	12 Volts		
Rated capacity (C ₂₀ Hour rate at 27°C)	200 Ampere Hour		
Dimensions (±2 mm)	Length	541 mm	
	Width	232 mm	
	Height	238 mm	
Weight ± 1.0 Kgs (approx.)	61.0 Kgs		

Characteristics *

Capacity@ 80.6°F (27°C)	20 hour rate (10.0A) upto 10.5V	200.0 Ah
	10 hour rate (18.60A) upto 10.5V	186.0 Ah
	5 hour rate (34.30A) upto 10.2V	171.50 Ah
	1 hour rate (126.60A) upto 9.6V	126.60 Ah
	15 minute rate (327.90A) upto 9.6V	81.97 Ah
Internal resistance	Fully charged battery 80.6°F (27°C)	3.49mΩ
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	M8×25 mm Copper terminal	
Short circuit current (A)	3655	

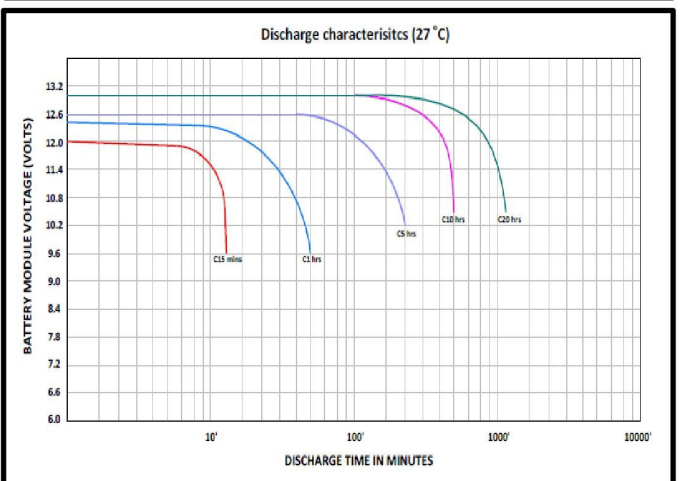


Constant power discharge rating watts per battery @ 27 °C *

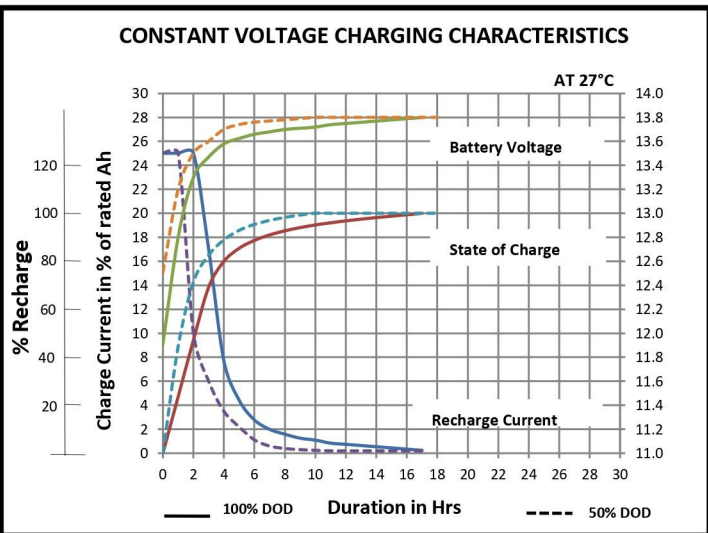
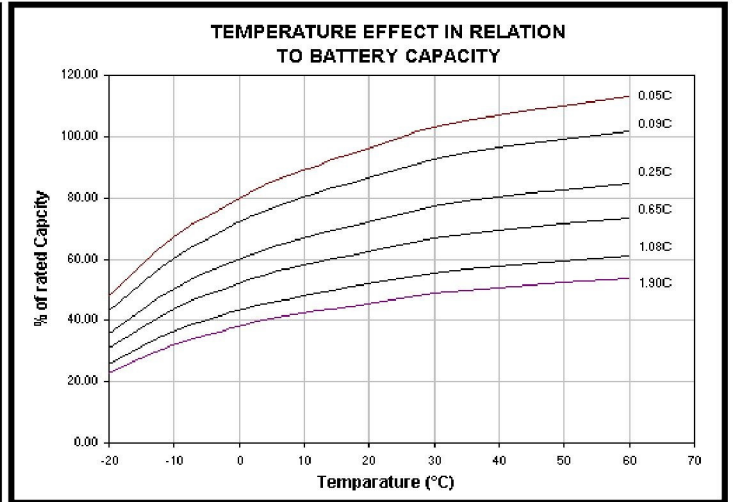
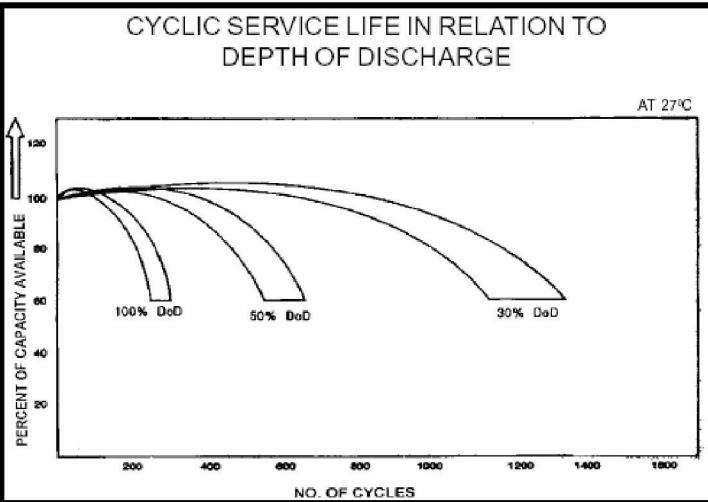
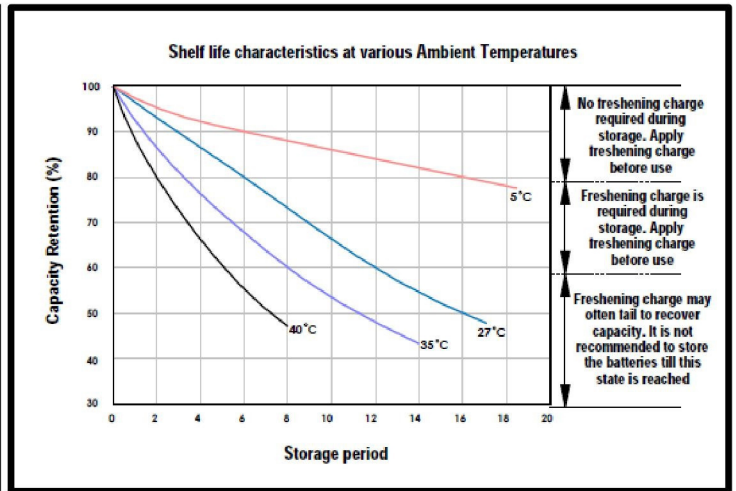
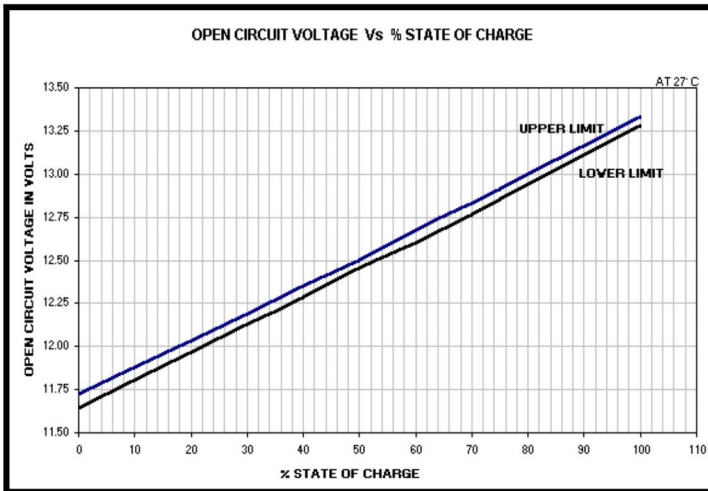
ECV	DURATION											
	10 min	15 min	20 min	30 min	60 min	2 hrs	3 hrs	5 hrs	8 hrs	10 hrs	20 hrs	
1.60	4851	4183	3144	2675	1473	892	652	437	297	240	122	
1.65	4766	4088	3112	2592	1448	881	634	427	292	238	121	
1.70	4679	3992	3079	2508	1424	867	617	418	286	236	120	
1.75	4476	3803	3021	2466	1381	853	599	408	280	234	119	
1.80	4273	3614	2962	2422	1336	839	581	398	274	232	118	

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	425.50	327.90	266.70	200.00	126.60	78.80	53.80	37.00	23.00	19.50	10.70	
1.65	416.90	325.30	265.00	199.00	125.80	75.60	52.20	35.70	22.50	19.20	10.50	
1.70	408.20	322.60	263.20	198.00	125.00	72.40	50.60	34.30	22.00	18.90	10.20	
1.75	400.00	317.50	256.40	196.10	122.00	71.40	50.50	34.20	21.90	18.60	10.00	
1.80	392.20	307.70	250.00	192.30	119.00	70.90	50.20	33.90	21.70	18.50	9.90	



*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

SAFFRON ENGINEERING

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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