



Specification

Nominal voltage		12 Volts
Rated capacity (C ₂₀ Hour rate at 27°C)		200 Ampere Hour
Dimensions (±2 mm)	Length	556 mm
	Width	186 mm
	Height	263 mm
Weight ± 1.0 Kgs (approx.)		62.0 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)	3.54 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	M8×25 mm Copper terminal	
Short circuit current	3655A	

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

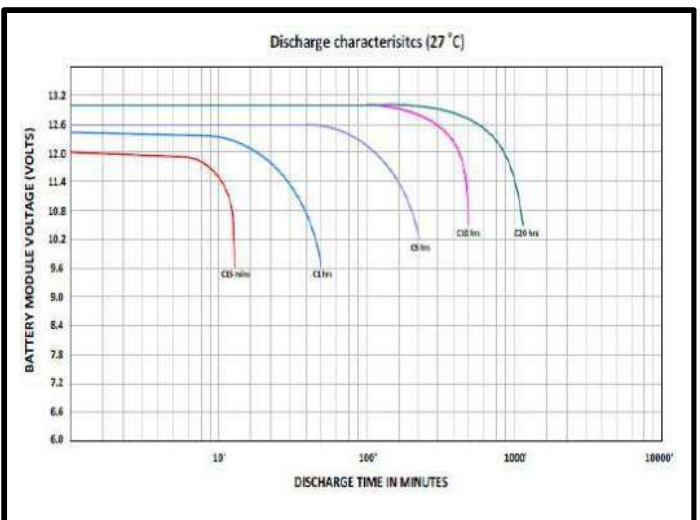
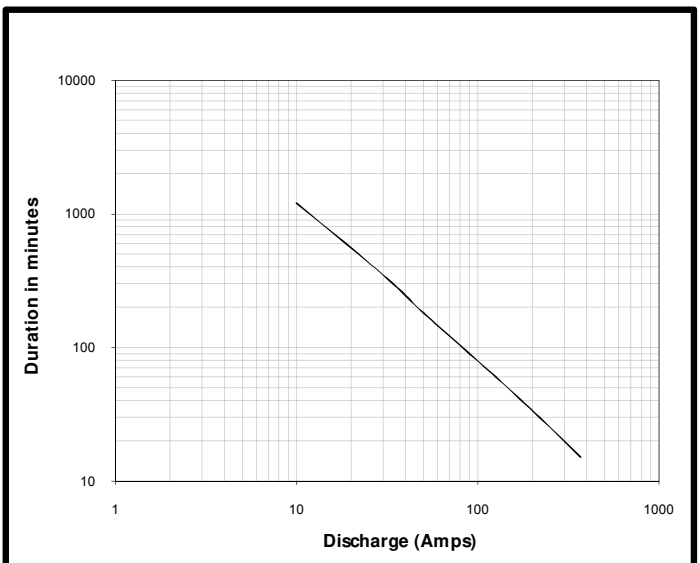
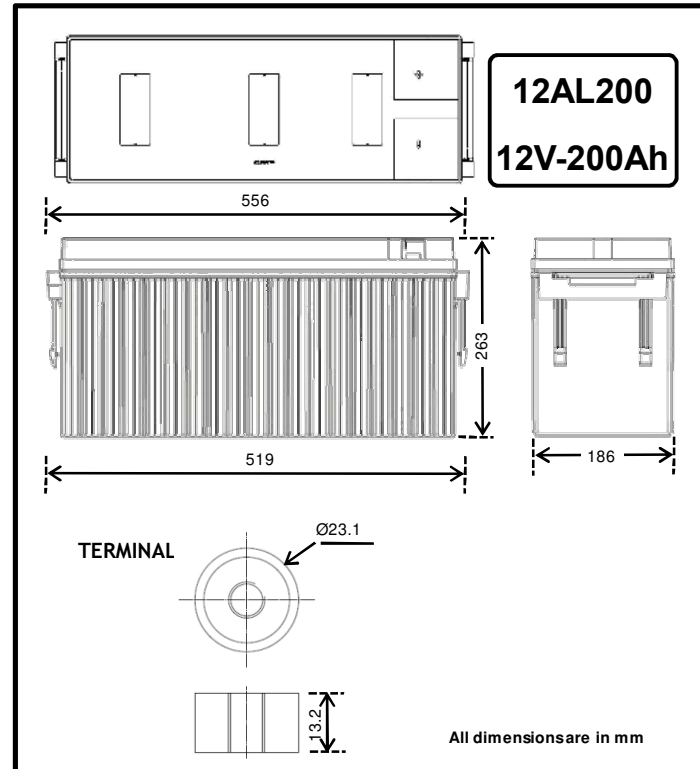
ECV	DURATION										
	10 min	15 min	20 min	30 min	60 min	2 hrs	3 hrs	5 hrs	8 hrs	10 hrs	20 hrs
1.60	4534	3803	2858	2326	1346	847	597.0	415.0	266.0	222.0	121.0
1.65	4454	3716	2829	2254	1324	835	592.0	408.5	263.0	221.0	120.0
1.70	4373	3629	2799	2181	1302	822	587.0	402.0	260.0	220.0	119.0
1.75	4183	3457	2746	2144	1262	808	582.5	395.5	255.5	218.0	118.0
1.80	3993	3285	2693	2106	1221	794	578.0	389.0	251.0	216.0	117.0

Constant current discharge rating amperes @ 27 °C *

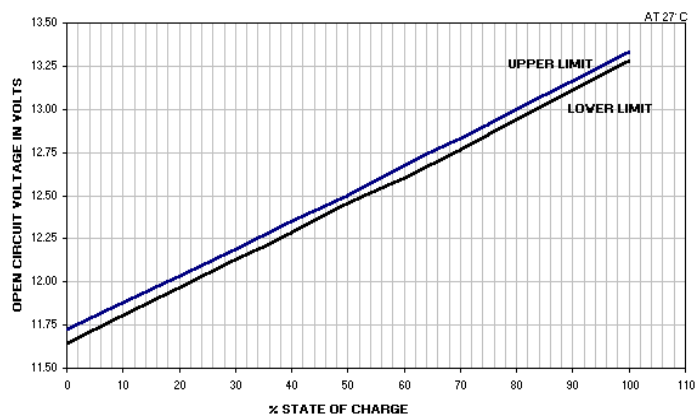
ECV	DURATION										
	10 min	15 min	20 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
1.60	425.50	327.90	266.70	200.00	126.60	78.80	53.80	37.00	23.00	19.50	10.70
1.65	416.90	325.30	265.00	199.00	125.80	75.60	52.20	35.70	22.50	19.20	10.50
1.70	408.20	322.60	263.20	198.00	125.00	72.40	50.60	34.30	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: The above data are average values and can be obtained within three charge/ discharge cycles

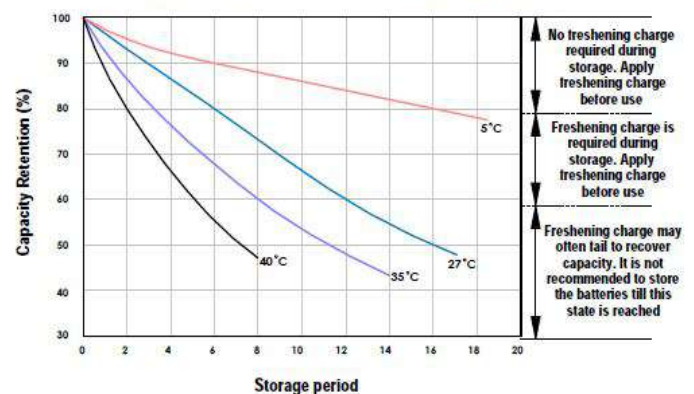
A tolerance of ±5% is applicable for the above constant power discharge and constant current discharge values



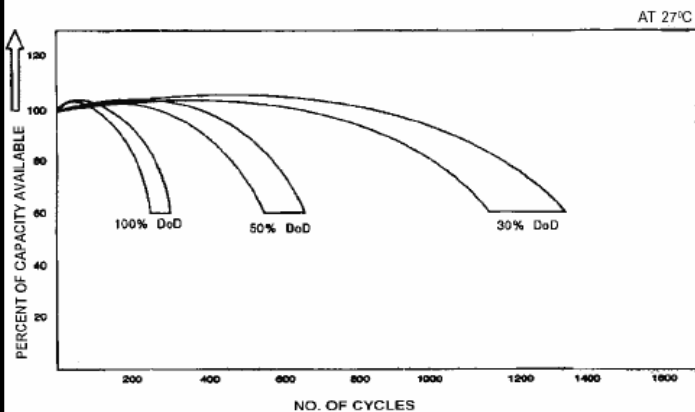
OPEN CIRCUIT VOLTAGE Vs % STATE OF CHARGE



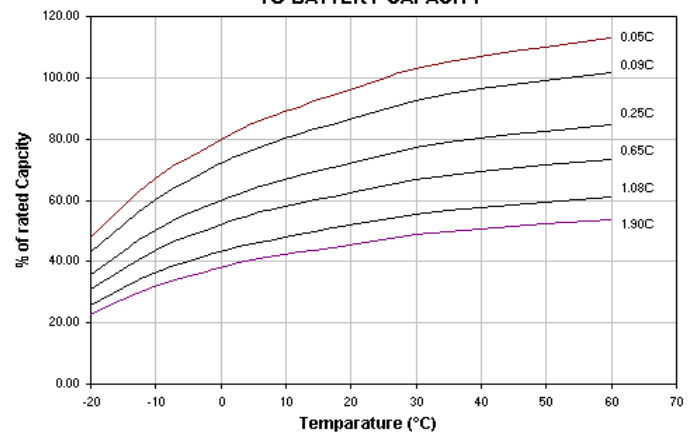
Shelf life characteristics at various Ambient Temperatures



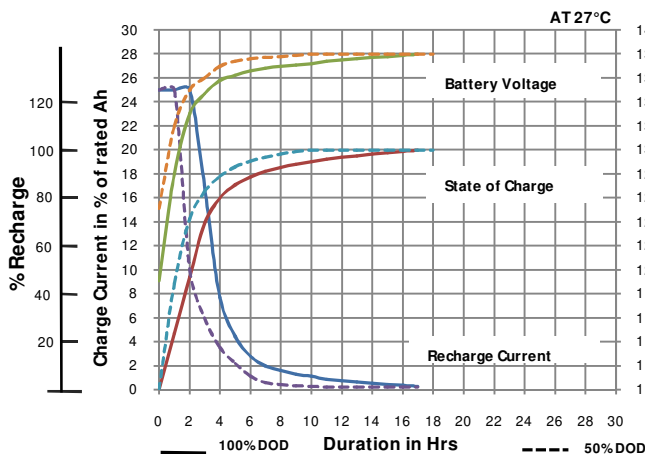
CYCLIC SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE



TEMPERATURE EFFECT IN RELATION TO BATTERY CAPACITY



CONSTANT VOLTAGE CHARGING CHARACTERISTICS

**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**

Quality systems certified to

 EN ISO 14001:2004
 ISO/ TS 16949:2009