



Specification

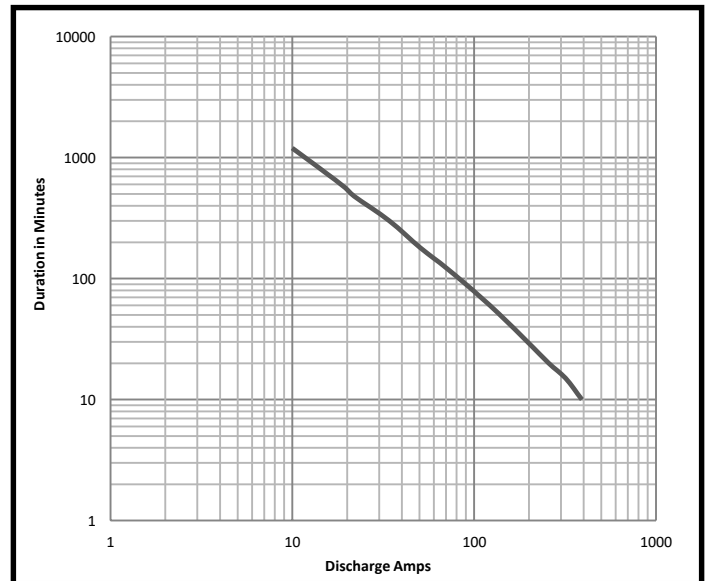
Nominal voltage	12 Volts	
Rated capacity (C ₂₀ Hour rate at 27°C)	9 Ampere Hour	
Dimensions (mm)	Length	151 mm
	Width	65 mm
	Height	94 mm
Weight ± 3% Kgs (approx.)	2.4 Kgs	

Characteristics *

Capacity@ 80.6°F (27°C)	20 hour rate (0.45A) up to 10.5V	9.0 Ah
	10 hour rate (0.85A) up to 10.5V	8.35 Ah
	5 hour rate (1.5A) up to 10.2V	7.7 Ah
	1 hour rate (5.65A) up to 9.6V	5.65Ah
	15 minute rate (14.75A) up to 9.6V	3.65 Ah
Internal resistance	Fully charged battery 80.6°F (27°C)	<25.0mΩ
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	F2	
Short circuit current (A)	145	

Applications:

- ❖ All purpose
- ❖ Uninterruptable Power Supply (UPS)
- ❖ Electric Power System (EPS)
- ❖ Emergency Light Systems
- ❖ Electric Toys
- ❖ Railway signal
- ❖ Aircraft signal
- ❖ Power Tools
- ❖ Alarm and security system
- ❖ Communication power supply
- ❖ DC power supply
- ❖ Fire Fighting Equipment
- ❖ Telecommunication System



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

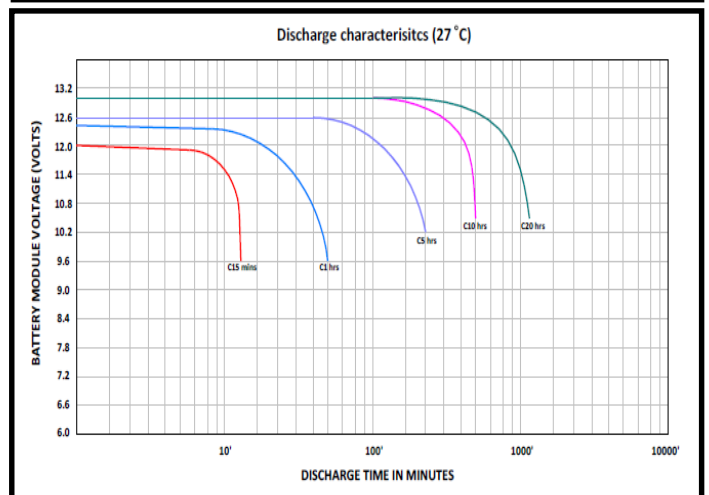
ECV	DURATION											
	10 min	15 min	20 min	30 min	60 min	2 hrs	3 hrs	5 hrs	8 hrs	10 hrs	20 hrs	
9.6	24.25C	20.91C	15.72C	13.37C	7.36C	4.46C	3.26C	2.18C	1.48C	1.20C	0.61C	
9.9	23.83C	20.44C	15.56C	12.96C	7.24C	4.40C	3.17C	2.13C	1.46C	1.19C	0.60C	
10.2	23.39C	19.96C	15.39C	12.54C	7.12C	4.33C	3.08C	2.09C	1.43C	1.18C	0.60C	
10.5	22.38C	19.01C	15.10C	12.33C	6.90C	4.26C	2.99C	2.04C	1.40C	1.17C	0.59C	
10.8	21.36C	18.07C	14.81C	12.11C	6.68C	4.19C	2.90C	1.99C	1.37C	1.16C	0.59C	

Constant current discharge rating amperes @ 27 °C *

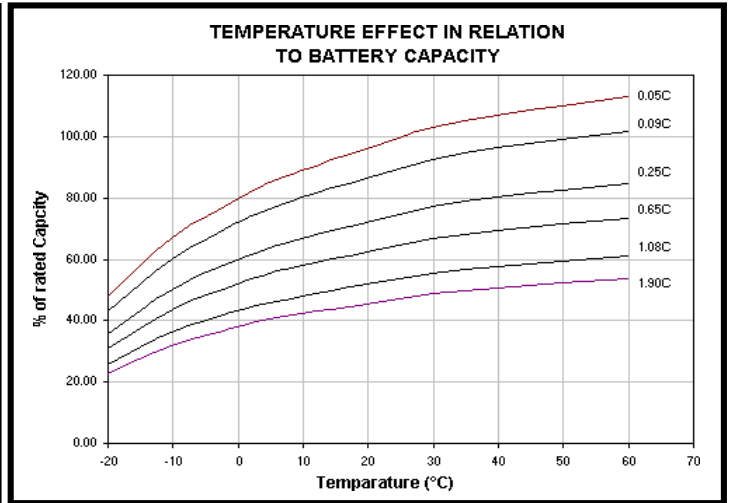
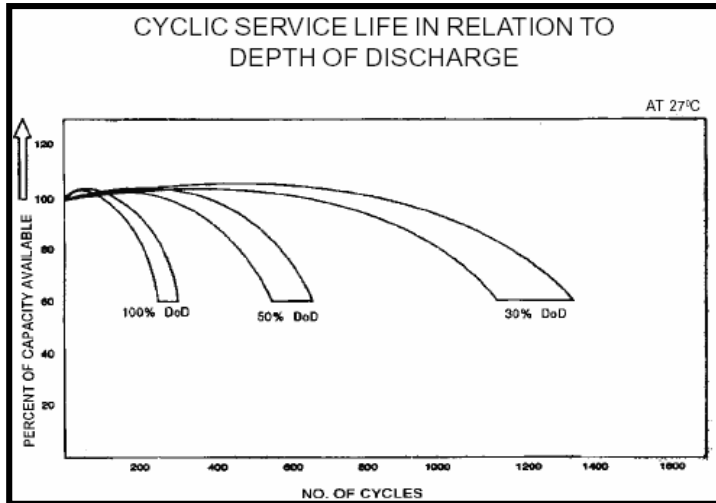
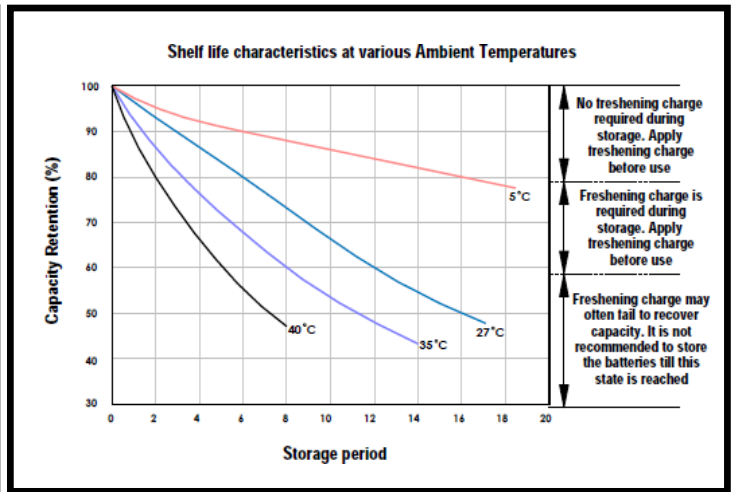
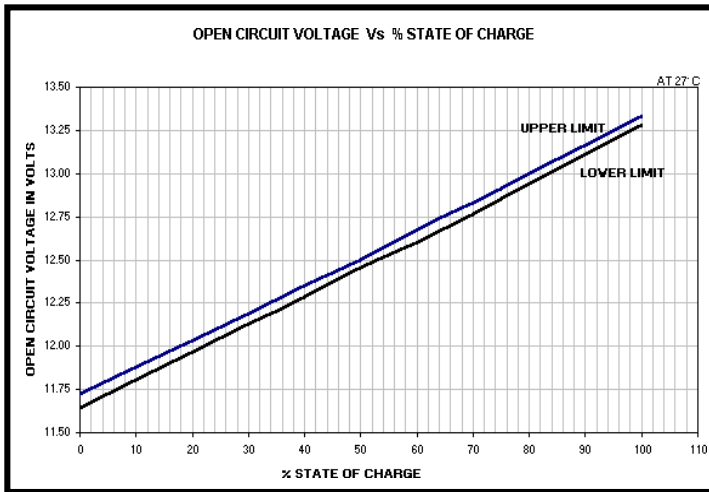
ECV	DURATION										
	10 min	15 min	20 min	30 min	60 min	2 hr	3 hr	5 hr	8 hr	10 hr	20 hr
9.6	2.128C	1.640C	1.334C	1.000C	0.633C	0.394C	0.269C	0.185 C	0.115C	0.098C	0.054C
9.9	2.085C	1.627C	1.325C	0.995C	0.629C	0.378C	0.261C	0.179C	0.113C	0.096C	0.053C
10.2	2.041C	1.613C	1.316C	0.990C	0.625C	0.362C	0.253C	0.172C	0.110C	0.095C	0.051C
10.5	2.000C	1.588C	1.282C	0.981C	0.610C	0.357C	0.253C	0.171C	0.110C	0.093C	0.050C
10.8	1.961C	1.539C	1.250C	0.962C	0.595C	0.355C	0.251C	0.170C	0.109C	0.093C	0.050C

C is the Rated Capacity

- *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.



ADVANCED VRLA BATTERY (SMF)



CHARGING METHODS:

Constant voltage charging at 27° C

Stand by use : Charging voltage 13.5V/battery
Max. Charging current : 10 % of rated Ah capacity
Cyclic use : Charging voltage 13.8V/Battery
Max. Charging current : 10 % of rated Ah capacity
Temperature compensation : 18 mV/battery/°C

PRONTO RENEWABLES ENERGY PVT.LTD.

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Quality Edge:

- ISO 9001: 2015
- ISO 14001: 2015
- ISO 45001:2018

International Compliance:

- Compliance to JISC8702 Standard
- Complies to UL

CAUTION:

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