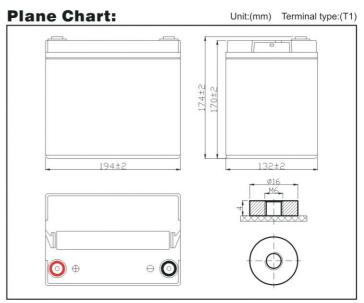
# Model No : NPG 33 -12 12 V 33 AH

# **DEEP CYCLE GEL BATTERY**



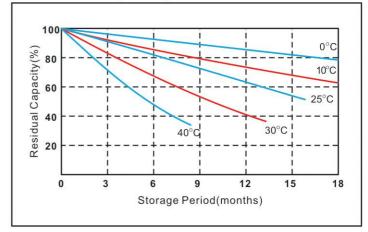


#### **Parameter Chart:**

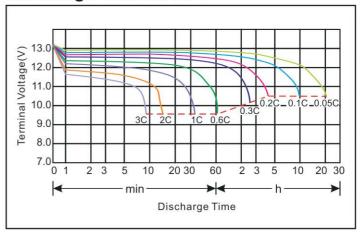
Volt	s	12V				
Capacity(	(25°C)	1	33Ah			
Discharge		1	19Ah			
Testing (25°C)			26Ah			
Internal Res	sistance	Full	8.5mΩ			
			40°C		104%	
Capacity Affected By Temperature				100%		
		0°C			83%	
			-15°C			
Residual Capacity (25°C)		Capac	91%			
		Capac	city After 6 Mor	nths Storage	82%	
		Capacity After 12 Months Storage			65%	
Charge Cycle (		25°C)	t Less			
Voltage)	Float (	25°C)	Charge Vo	13.8V		

<sup>★</sup>The above are average and data obtained from the firsr 3 charge/discharge cycles. These are not minimum values.

## **Residual Capacity**



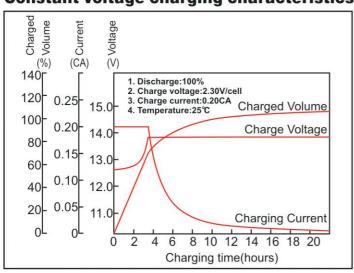
## Discharge Current 25℃



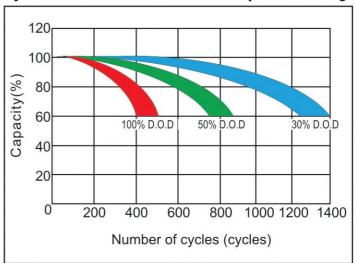
## Model No : NPG 33 -12 12 V 33 AH

## **DEEP CYCLE GEL BATTERY**

## **Constant voltage charging characteristics**



#### Cycle service life in relation to the depth of discharge



### Constant Current Discharge Characteristics (A, 25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	113.3	72.6	59.7	35.0	21.4	12.4	9.1	6.3	4.1	3.4	1.8
10.2V	108.2	69.0	57.3	33.6	20.6	12.2	8.9	6.1	4.1	3.3	1.7
10.5V	104.9	67.0	55.8	32.8	20.1	12.1	8.7	6.0	4.1	3.3	1.7
10.8V	101.6	64.9	54.4	31.9	19.6	12.0	8.5	5.9	4.0	3.3	1.7

## Constant Power Discharge Characteristics (Watt, 25°C)

F.V/Time	5min	10min	15min	30min	60min	2h	3h	5h	8h	10h	20h
9.60V	1189.7	784.9	656.1	392.4	244.1	143.3	107.1	73.9	49.1	41.2	21.5
10.2V	1134.0	745.7	629.3	376.0	234.8	141.2	104.0	72.4	48.7	41.0	21.2
10.5V	1100.0	723.1	613.4	367.2	223.0	140.1	102.0	71.3	48.4	40.8	21.0
10.8V	1066.1	700.4	597.4	358.4	211.2	138.6	99.9	70.2	48.0	40.6	20.8

### **Capacity Factors With Different Temperature**

Battery	Туре	-20°C	-10°C	0°C	5°C	10°C	20°C	25°C	30°C	40°C	45°C
GEL Battery	12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%

★The above are average and data obtained from the firsr 3 charge/discharge cycles. These are not minimum values.











