

# NPC 12-270 12V 270AH

General purpose application series



## Range Summary

Using oxygen recombination technology: maintenance-free

PbCaSn alloy for plate grids: low self discharge rate than 3% per month

High quality AGM separator: extend cycle life and prevent micro short circuit retardant

High purity raw material: 99.99% pure lead



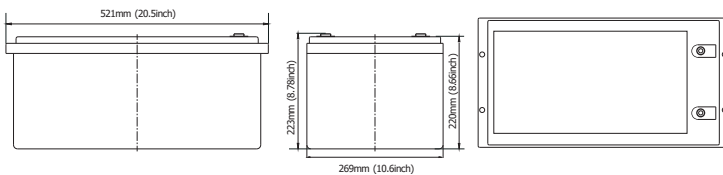
## Application

Cable Television  
Communication  
Equipment  
Security System

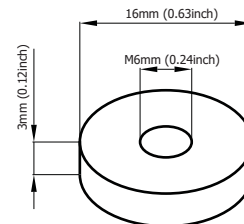
UPS  
Control Equipment  
Medical Equipment  
Emergency Power



## Battery Dimensions

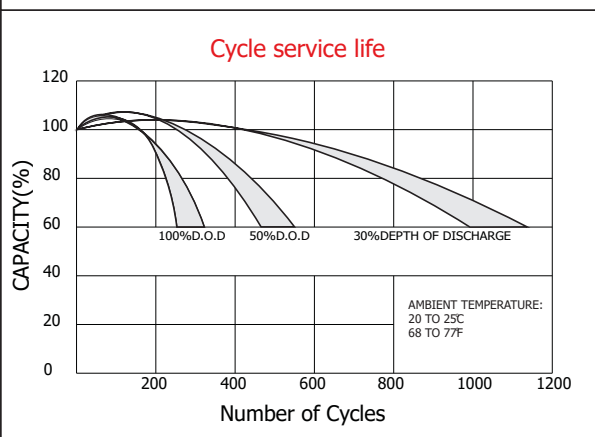
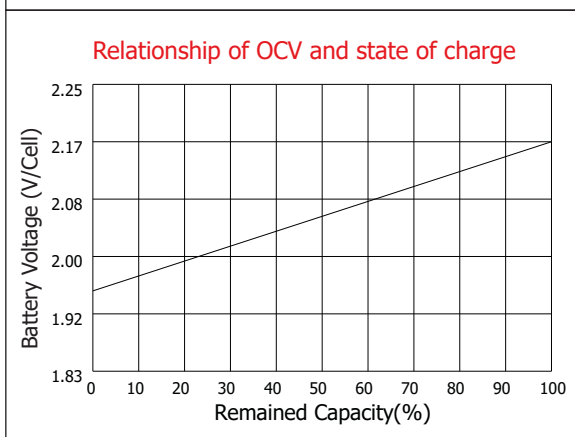
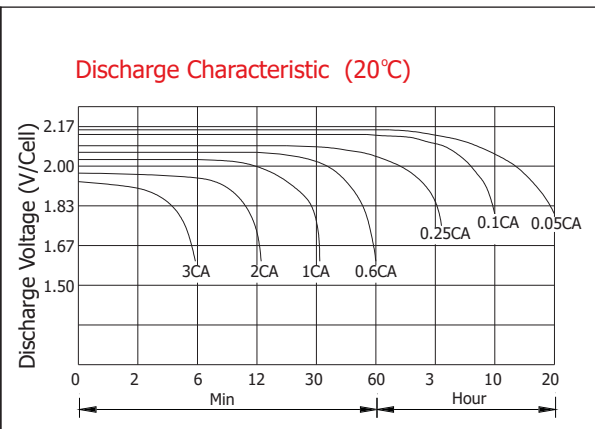
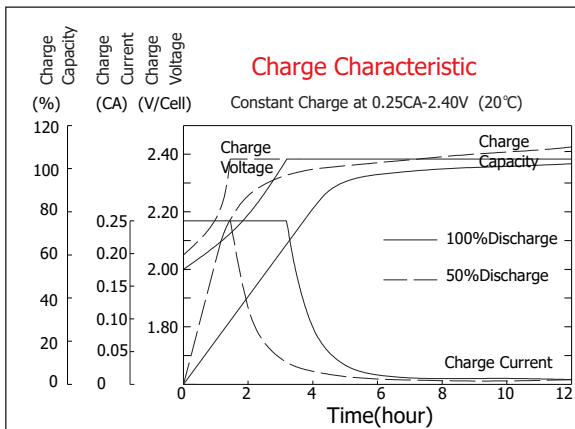


## Terminal Dimensions



## Technical Specifications

Battery Model	NPC12-270			
Designed Floating Life	12 Years			
Capacity(20°C)	20HR(14.0A,1.80V)	10HR(27A,1.80V)	5HR(46.2A,1.75V)	1HR(171A,1.60V)
	280Ah	270Ah	231Ah	171Ah
Dimensions	Length	Width	Height	Total Height
	521mm(20.5inch)	269mm(10.6inch)	220mm(8.66inch)	223mm(8.78inch)
Approx. Weight	75.0Kg (165 lbs)			
Internal Resistance	Full charged at 20°C: 0.0026 Ohm			
Self Discharge	< 3% of capacity declined per month at (20°C)			
Capacity Affected by Temp.(10HR)	40°C	20°C	0°C	-15°C
	109%	100%	85%	65%
Charge Voltage(20°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/ °C), max. Current: 65.0A		13.6-13.8V(-18mV/ °C)	



### Constant current discharge ratings-amperes at 20°C

F. V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	934	641	467	280	171	72.9	46.8	28.3	14.5
1.67V	841	584	454	272	167	72.6	46.5	27.9	14.4
1.70V	798	563	438	267	167	72.4	46.3	27.7	14.3
1.75V	710	520	414	262	165	72.1	46.2	27.2	14.2
1.80V	641	483	395	254	163	71.8	45.7	27.0	14.0
1.85V	486	398	342	233	161	71.5	45.3	26.2	13.2

### Constant power discharge ratings-watts at 20°C

F. V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	1540	1062	827	528	330	144	88.6	56.6	29.7
1.67V	1460	1049	819	518	319	142	88.4	55.7	29.4
1.70V	1364	1022	806	504	310	140	88.1	55.3	29.2
1.75V	1270	955	758	491	308	138	87.5	54.4	29.1
1.80V	1140	889	713	478	302	136	86.3	53.4	28.0
1.85V	913	737	622	438	299	133	85.0	52.5	26.4