

NPC 12-20 12V20AH

VRLA BATTERY



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



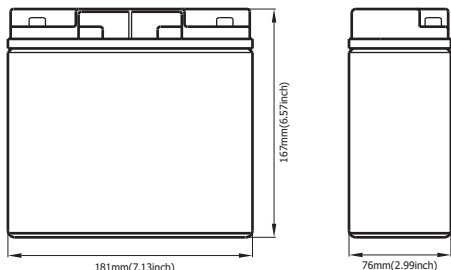
Application

Cable Television
 Communication
 Equipment
 Security System

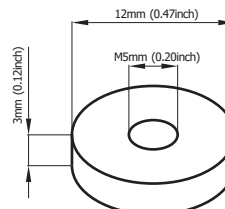
UPS
 Control Equipment
 Medical Equipment
 Emergency Power



Battery Dimensions

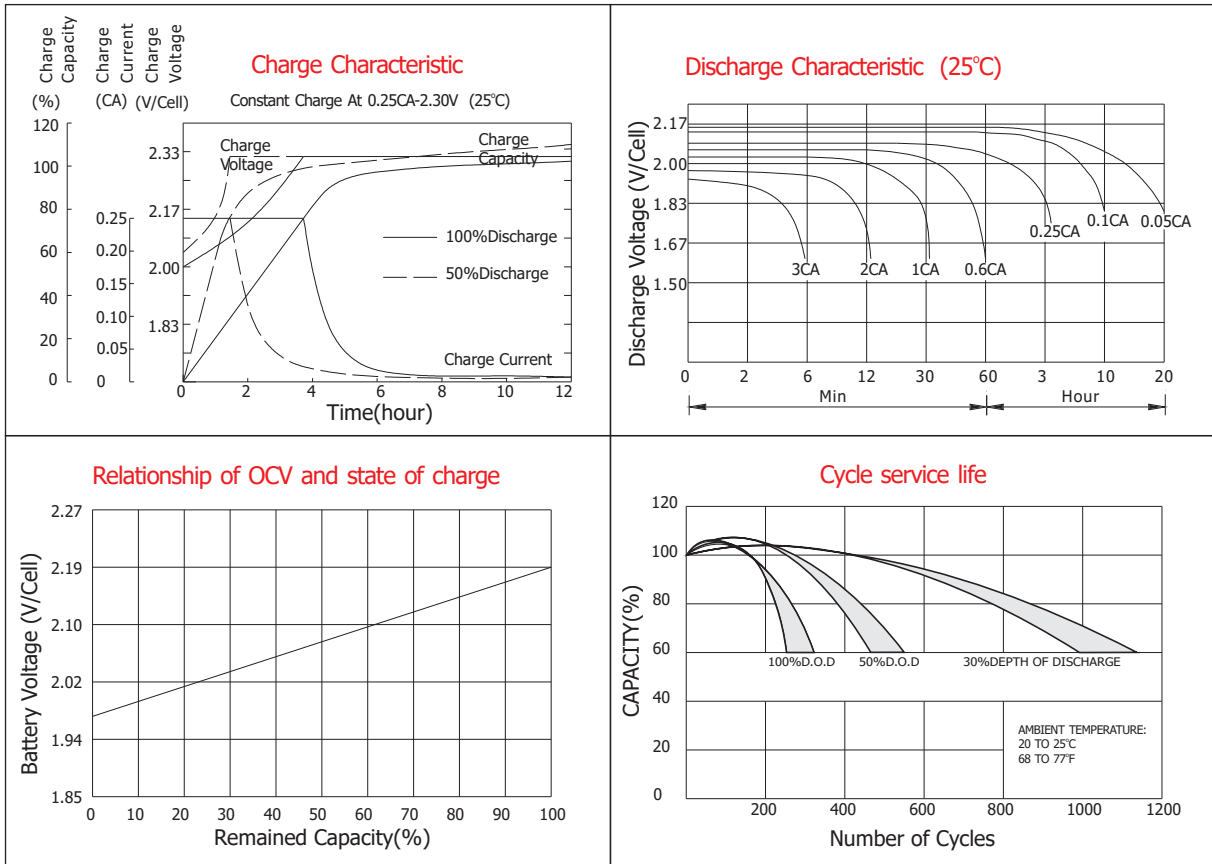


Terminal Dimensions



Technical Specifications

Battery Model	NPC12-20			
Designed Floating Life	5 Years			
Capacity(25°C)	20HR(1.00A,1.80V)	10HR(1.84A,1.80V)	5HR(3.22A,1.75V)	1HR(13.5A,1.60V)
	20.0Ah	18.4Ah	16.1Ah	13.5Ah
Dimensions	Length	Width	Height	Total Height
	181mm(7.13inch)	76mm(2.99inch)	167mm(6.57inch)	167mm(6.57inch)
Approx. Weight	6.0Kg (13.2 lbs)			
Internal Resistance	Full charged at 25°C: 0.014 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	14.4-14.8V(-30mV/ °C), max. Current: 6A		13.6-13.8V(-20mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	77.4	56.9	42.2	25.7	13.5	5.75	3.43	1.92	1.12
1.67V	75.0	53.9	40.6	24.6	13.3	5.53	3.36	1.90	1.08
1.70V	68.7	52.0	39.6	22.4	12.9	5.16	3.29	1.89	1.07
1.75V	67.4	50.4	38.3	21.2	12.3	4.99	3.22	1.87	1.04
1.80V	64.8	48.1	34.8	19.7	11.5	4.79	3.02	1.84	1.00
1.85V	57.2	45.8	31.3	18.1	10.7	4.62	2.83	1.82	0.98

Constant power discharge ratings-watts at 25°C

F.V/Time	5m in	10min	15min	30m in	1h	3h	5h	10h	20h
1.60V	140	103	77.0	46.3	23.1	9.7	6.34	3.84	2.24
1.67V	135	100	76.0	45.4	22.9	9.4	6.31	3.81	2.16
1.70V	130	99.1	75.4	42.5	22.5	8.94	6.23	3.79	2.13
1.75V	128	98.8	74.7	41.2	22.1	8.73	6.17	3.74	2.08
1.80V	117	95.9	69.3	39.3	20.9	8.47	5.98	3.70	1.99
1.85V	106	91.2	62.9	36.2	19.6	8.22	5.61	3.65	1.95