



VRLA Battery

NPC 9-12

12V9Ah

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



ISO 9001

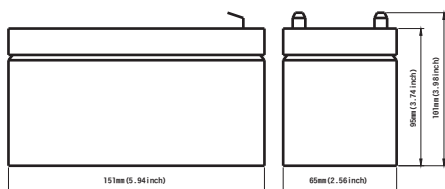


ISO 14001

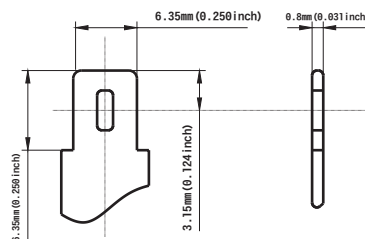


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Battery Dimensions

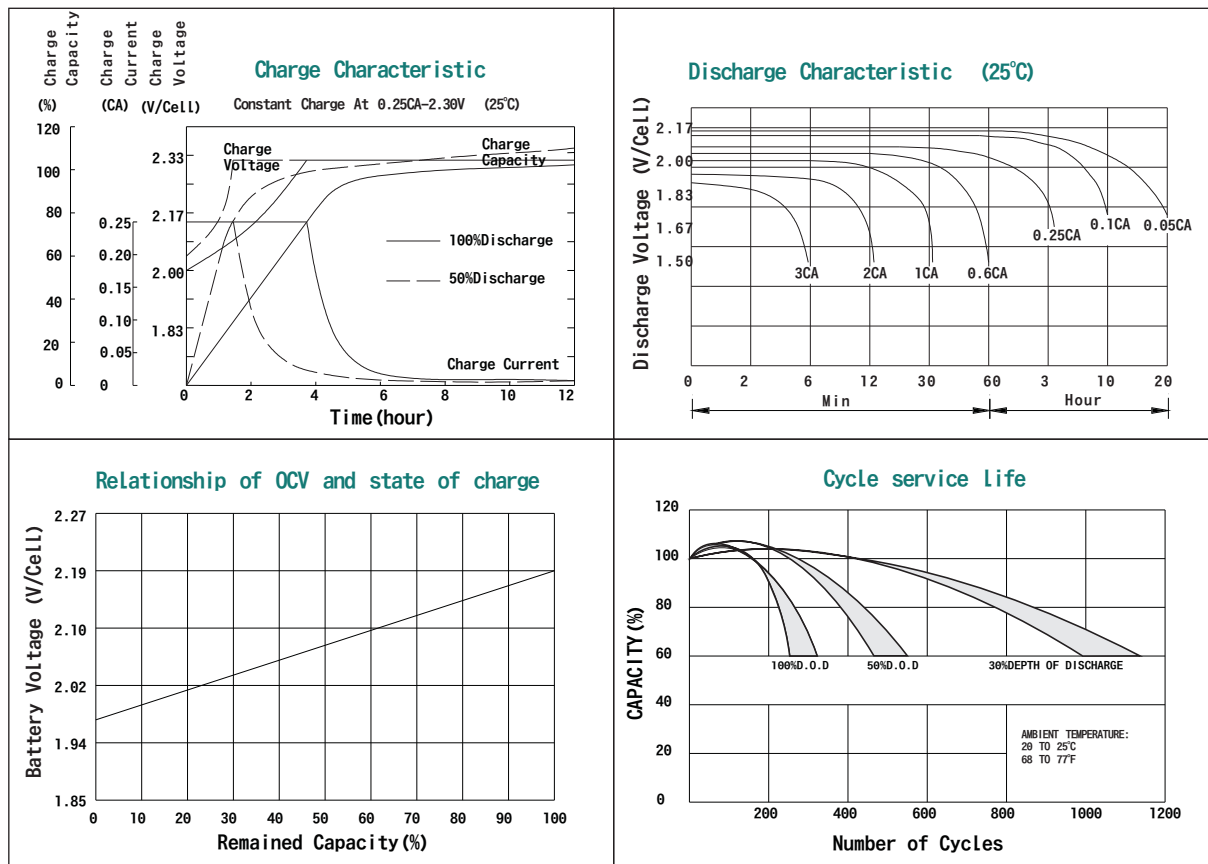


Terminal Dimensions



Technical Specifications

Battery Model	NPC 9-12			
Designed Floating Life	5 Years			
Capacity (25°C)	20HR (0.45A, 1.80V)	10HR (0.81A, 1.80V)	5HR (1.53A, 1.75V)	1HR (5.88A, 1.60V)
	9AH	8.10AH	7.65AH	5.88AH
Dimensions	Length	Width	Height	Total Height
	151mm (5.94inch)	65mm (2.56inch)	95mm (3.74inch)	101mm (3.98inch)
Approx. Weight	2.45 Kg (5.39 Lbs)			
Internal Resistance	Full charged at 25°C: 0.017 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
	109%	100%	85%	65%
Charge Voltage (25°C)	Cycle use		Float use	
	14.4-14.8V (-30mV/ °C), max. Current: 2.7A		13.6-13.8V (-18mV/ °C)	



Constant current discharge ratings-amperes at 25°C

F.V/T in e	5 M IN	10 M IN	15 M IN	30 M IN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	35.2	21.9	16.5	10.1	5.88	2.81	1.63	0.84	0.51
1.67V	33.0	20.8	15.9	9.63	5.81	2.70	1.60	0.84	0.49
1.70V	30.2	20.0	15.5	8.75	5.63	2.52	1.56	0.83	0.48
1.75V	29.6	19.4	15.0	8.31	5.37	2.44	1.53	0.82	0.47
1.80V	26.5	18.5	13.6	7.70	5.02	2.34	1.44	0.81	0.45
1.85V	23.4	17.6	12.3	7.09	4.68	2.26	1.35	0.80	0.44

Constant power discharge ratings-watts at 25°C

F.V/T in e	5 M IN	10 M IN	15 M IN	30 M IN	1 HR	3 HR	5 HR	10 HR	20 HR
1.60V	61.7	39.5	30.1	18.1	10.6	4.98	2.76	1.69	1.01
1.67V	59.5	38.5	29.8	17.8	10.6	4.82	2.74	1.68	0.97
1.70V	57.0	38.1	29.5	16.6	10.4	4.61	2.71	1.67	0.96
1.75V	56.4	38.0	29.3	16.1	10.2	4.50	2.68	1.65	0.94
1.80V	51.6	37.4	27.1	15.4	9.6	4.37	2.60	1.63	0.91
1.85V	46.8	35.5	24.6	14.4	9.0	4.24	2.52	1.61	0.88