

NPC 12-220 12V220AH

Deep Cycle 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



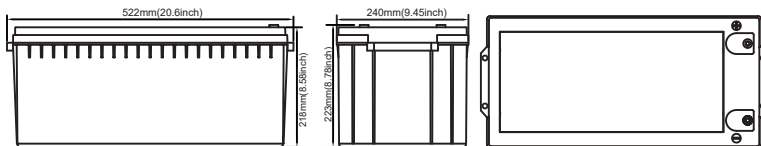
Application

Cable Television
Communication
Equipment
Security System

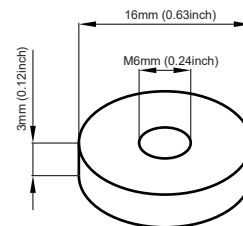
UPS
Control Equipment
Medical Equipment
Emergency Power



Battery Dimensions

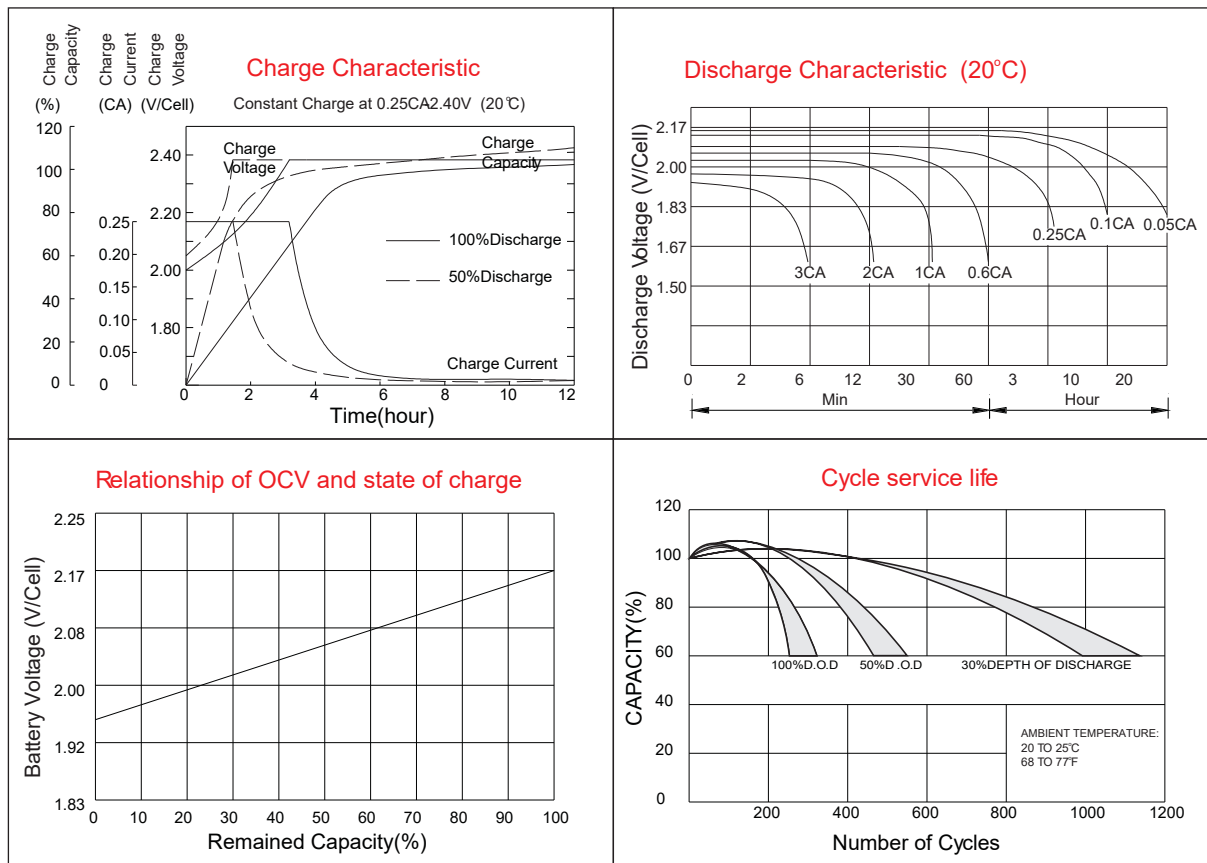


Terminal Dimensions



Technical Specifications

Battery Model	NPC12-220			
Designed Floating Life	12 Years			
Capacity(20°C)	20HR(11.6A, 1.80V)	10HR(22.0A, 1.80V)	5HR(38.6A, 1.75V)	1HR(143A, 1.60V)
	232Ah	220Ah	193Ah	143Ah
Dimensions	Length	Width	Height	Total Height
	522mm(20.6inch)	240mm(9.45inch)	218mm(8.58inch)	223mm(8.78inch)
Approx. Weight	61Kg (134 lbs)			
Internal Resistance	Full charged at 20°C: 0.003 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: 50A		13.6-13.8V(-18mV/°C)	



Constant current discharge ratings-amperes at 20°C

FV/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	787	540	394	236	143	61.4	39.9	23.5	12.2
1.67V	709	492	382	229	140	61.2	39.7	23.2	12.1
1.70V	673	474	369	225	139	61.0	39.4	22.9	12.0
1.75V	598	439	349	220	137	60.1	39.0	22.5	11.9
1.80V	540	407	333	214	135	60.5	38.6	22.0	11.6
1.85V	409	335	288	197	130	60.3	38.2	21.7	11.1

Constant power discharge ratings-watts at 20°C

FV/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	1298	895	697	445	282	123	77.6	47.1	24.5
1.67V	1231	884	691	436	275	120	77.4	46.8	24.3
1.70V	1150	862	679	425	273	118	76.7	46.4	24.1
1.75V	1071	805	639	414	268	115	76.2	46.1	23.8
1.80V	960	749	601	403	265	110	75.5	44.8	23.4
1.85V	769	621	524	369	260	107	74.3	44.0	22.0