

SPECIFICATIONS

Rated Voltage	2V	
Nominal Capacity	200.0Ah (C ₁₀ , 1.80V/cell)	
Dimension	Length	170±2mm (6.69 inches)
	Width	110±2mm (4.33 inches)
	Container Height	328±2mm (12.91 inches)
	Total Height	348±2mm (13.70 inches)
Approx Weight	12.7 Kg (28.0 lbs)	
Terminal	M8	
Container Material	ABS	
Rated Capacity (25°C)	212.0Ah	(20hr, 10.6A, 1.80V/cell)
	200.0Ah	(10hr, 20.0A, 1.80V/cell)
	175.0Ah	(5hr, 35.0A, 1.75V/cell)
	156.0Ah	(3hr, 52.0A, 1.75V/cell)
	125.8Ah	(1hr, 125.8A, 1.60V/cell)
Max. Discharge Current	1600A (5s)	
Internal Resistance (25°C)	Approx 0.9mΩ	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	0~40°C (32~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 60.0A. Voltage 2.4V~2.5V at 25°C (77°F) Temp. Coefficient -5mV/°C	
Standby Use	Initial Charging Current less than 60.0A. Voltage 2.25V~2.30V at 25°C (77°F) Temp. Coefficient -3mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	N series batteries may be stored for up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



APPLICATIONS

- Tele-communication central station (wired or cellular)
- Power system communication, military communication, etc.
- Network communication including: data transmission, television signal transmission, etc.
- Uninterruptable Power System (UPS- for Telecom)

STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured with IATF16949, ISO45001, ISO 9001 and ISO 14001 certified production facilities

Constant Current Discharge (Amperes) at 25°C (77°F)

F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	200.4	174.6	142.8	112.9	98.8	76.0	61.5	46.8	37.7	31.8	27.6	22.4	18.7	10.0
1.80V/cell	233.0	201.2	161.4	126.2	109.3	83.1	66.9	50.6	40.6	34.2	29.6	24.0	20.0	10.6
1.75V/cell	246.5	211.1	168.7	131.4	113.4	85.9	69.0	52.0	41.6	35.0	30.2	24.4	20.3	10.7
1.70V/cell	260.5	222.1	180.1	136.3	117.5	88.8	71.2	53.5	42.6	35.8	30.9	24.9	20.6	10.9
1.67V/cell	268.7	228.4	192.6	139.4	120.0	90.4	72.4	54.3	43.2	36.2	31.2	25.1	20.8	11.0
1.60V/cell	288.0	243.2	194.8	146.6	125.8	94.4	75.4	56.3	44.7	37.4	32.1	25.7	21.3	11.1

Constant Power Discharge (Watts/cell) at 25°C (77°F)

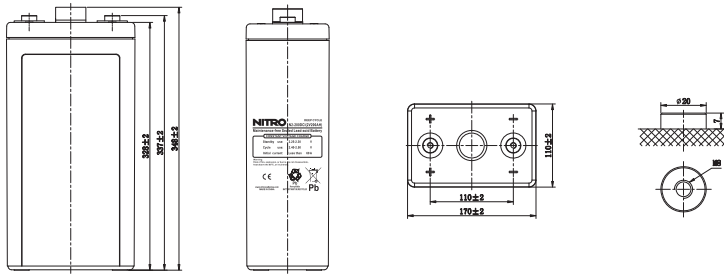
F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	384.9	336.3	275.9	218.9	192.0	148.1	120.3	91.8	74.0	62.5	54.4	44.3	37.1	20.0
1.80V/cell	443.0	383.8	309.4	243.0	211.1	161.1	130.2	98.9	79.5	67.2	58.2	47.3	39.5	21.1
1.75V/cell	463.7	398.9	320.6	250.9	217.4	165.5	133.4	101.1	81.2	68.5	59.2	48.1	40.1	21.3
1.70V/cell	484.6	415.6	339.2	258.4	223.8	170.1	137.0	103.6	82.9	69.8	60.4	48.8	40.6	21.6
1.67V/cell	496.5	424.6	359.2	262.8	227.4	172.5	138.8	104.8	83.9	70.6	61.0	49.3	40.9	21.7
1.60V/cell	522.8	445.1	360.2	273.5	236.2	178.7	143.5	108.1	86.2	72.4	62.4	50.3	41.7	22.1

GENERAL FEATURES

- 15 years design life (25°C)
- Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance
- PbCaSn alloy for plate grids: less gassing, less self-discharging

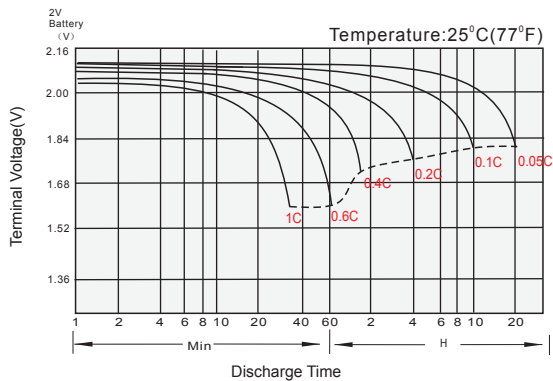
- High quality AGM separator: extend cycle life and prevent micro short circuit
- High purity raw material: ensure low self discharge rate

DIMENSIONS

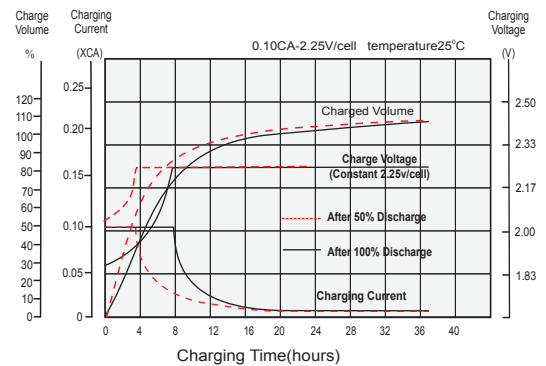


PERFORMANCE CHARACTERISTICS

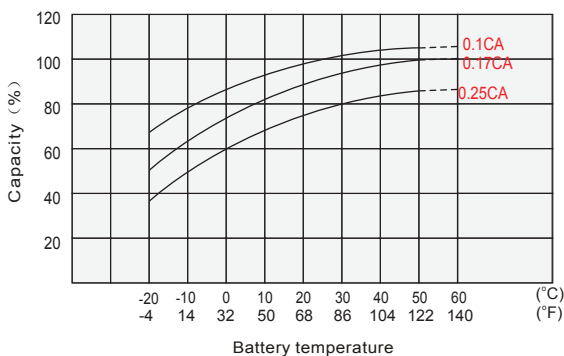
Discharge Characteristics



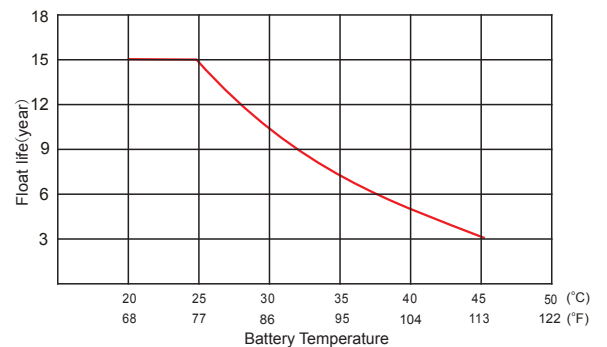
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life



NITRO

VALVE REGULATED LEAD-ACID BATTERY

N2-200DCI