

SPECIFICATIONS

Rated Voltage	6V
Nominal Capacity	12.0Ah (C20, 1.75V/cell)
Dimension	Length 151±2mm (5.94 inches)
	Width 50.5±1mm (1.99 inches)
	Container Height 94±1mm (3.70 inches)
	Total Height 100±2mm (3.94 inches)
Approx Weight	1.60 Kg (3.53 lbs)
Terminal	T2
Container Material	ABS
	12.0Ah (20hr, 0.600A, 1.75V/cell)
	11.2Ah (10hr, 1.12A, 1.75V/cell)
Rated Capacity (25°C)	10.2Ah (5hr, 2.04A, 1.75V/cell)
	9.00Ah (3hr, 3.00A, 1.75V/cell)
	7.20Ah (1hr, 7.20A, 1.60V/cell)
Max. Discharge Current	180A (5s)
Internal Resistance (25°C)	Approx 9mΩ
	Discharge -20~60°C (-4~140°F)
	Charge -15~50°C (-4~122°F)
Operating Temp. Range	Storage -15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Cycle Use	Initial Charging Current less than 3.6A. Voltage 7.2V~7.5V at 25°C (77°F) Temp. Coefficient -15mV/°C
Standby Use	Initial Charging Current less than 3.6A. Voltage 6.75V~6.9V at 25°C (77°F) Temp. Coefficient -10mV/°C
	40°C (104°F) 103%
Capacity affected by Temperature	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

- All purpose
- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Alarm and security system
- Communication power supply
- DC power supply
- Auto control system

STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	69.9	51.1	38.8	33.1	24.8	18.2	14.5	8.56	6.18	4.92	4.25	3.64	2.87	2.40	1.27
1.80V/cell	75.1	54.2	40.7	34.4	25.6	18.7	14.8	8.72	6.28	5.00	4.31	3.70	2.91	2.44	1.29
1.75V/cell	79.2	56.3	42.0	35.3	26.2	19.1	15.1	8.88	6.38	5.06	4.37	3.74	2.94	2.46	1.30
1.70V/cell	82.9	58.6	43.4	36.4	26.9	19.5	15.4	9.01	6.47	5.13	4.43	3.78	2.97	2.48	1.31
1.65V/cell	85.8	60.3	44.5	37.1	27.4	19.8	15.6	9.11	6.54	5.18	4.46	3.82	2.99	2.50	1.32
1.60V/cell	91.0	62.8	46.0	38.2	27.1	20.3	16.0	9.29	6.66	5.27	4.54	3.87	3.04	2.53	1.34

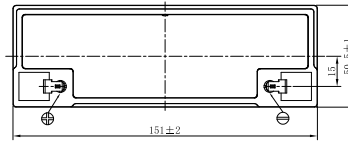
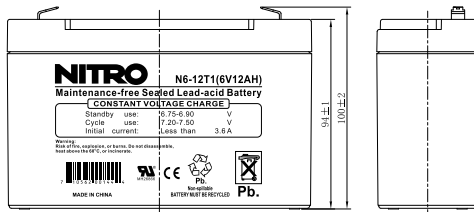
Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	132.2	97.3	74.2	63.7	47.9	35.2	28.2	16.8	12.1	9.70	8.39	7.20	5.68	4.77	2.54
1.80V/cell	140.8	102.4	77.4	65.9	49.2	36.1	28.8	17.0	12.3	9.82	8.50	7.30	5.76	4.84	2.57
1.75V/cell	146.7	105.7	79.5	67.3	50.3	36.7	29.2	17.3	12.5	9.84	8.60	7.38	5.82	4.88	2.60
1.70V/cell	152.1	109.2	81.7	68.9	51.3	37.4	29.7	17.5	12.6	10.1	8.70	7.45	5.87	4.93	2.62
1.65V/cell	156.1	111.7	83.4	70.2	52.1	37.9	30.1	17.7	12.8	10.1	8.76	7.52	5.92	4.96	2.64
1.60V/cell	162.4	114.9	85.7	71.9	53.2	38.6	30.6	18.0	13.0	10.3	8.88	7.61	5.99	5.02	2.67

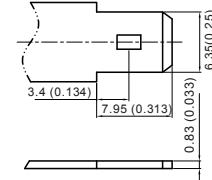
GENERAL FEATURES

- 5 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

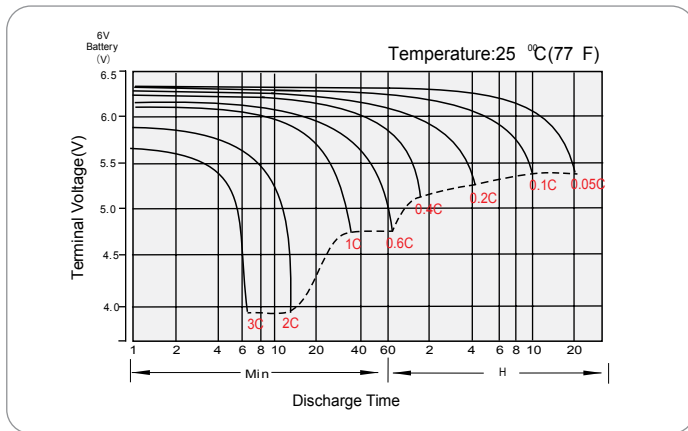


T2 Terminal
Unit: mm [inches]

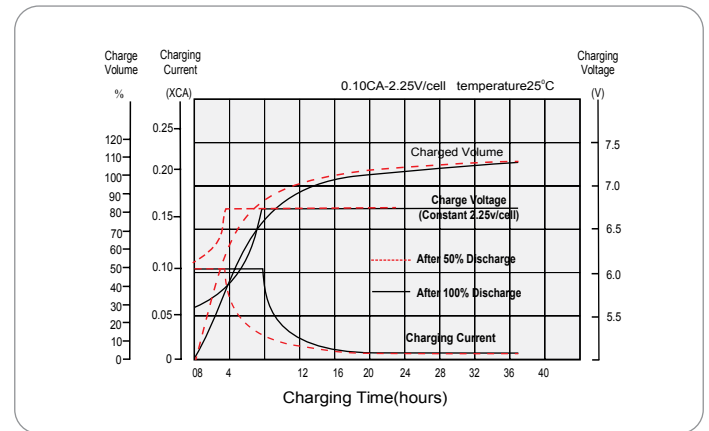


PERFORMANCE CHARACTERISTICS

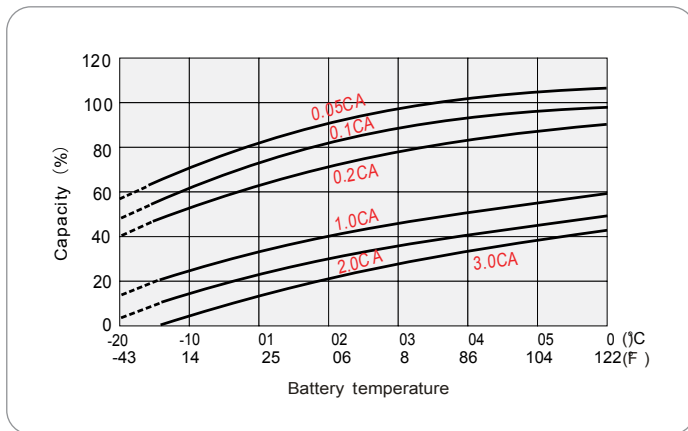
Discharge Characteristics



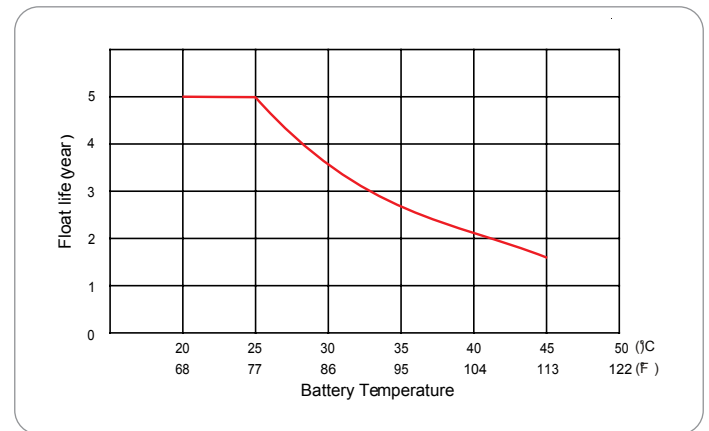
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Float Service Life



NITRO

VALVE REGULATED LEAD-ACID BATTERY
N6-12T2