

NAG200-12



Specification		
Nominal Voltage	12V	
Nominal Capacity (10HR)	200AH	
Dimension	Length	522±1mm (20.55 inches)
	Width	240±1mm (9.45 inches)
	Height	219±1mm (8.62 inches)
	Total Height	223±1mm (8.78 inches)
	Approx Weight	Approx 58.5kg
Terminal	T11	
Container Material	ABS	
Rated Capacity	214.0AH/10.7A	(20hr, 1.75V/cell, 25°C/77°F)
	200.0AH/20.0A	(10hr, 1.80V/cell, 25°C/77°F)
	176.0AH/35.2A	(5hr, 1.75V/cell, 25°C/77°F)
	127.6AH/127.6A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	2000A (5s)	
Internal Resistance	Approx ≤3.9mΩ	
Operating Temperature Range	Discharge: -30~60°C (-22~140°F)	
	Change : -30~60°C (-22~140°F)	
	Storage : -30~60°C (-22~140°F)	
Nominal Operating Temperature Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current Less than 40A Voltage 14.4-14.9V	
Standby Use	Initial Charging Current Less than 40A Voltage 13.6-13.8V	
Capacity affected by Temperature	40°C (104°F)	108%
	25°C (77°F)	100%
	0°C (32°F)	90%
	-15°C (5°F)	70%
Self Discharge	Batteries may be stored for up to 9 months at 25°C (77°F) and then a freshening charge is required.	

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

F.V/Time	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.80V/cell	281.4	180.2	137.4	110.2	66.2	49.2	34.4	30.0	24.0	20.0	10.60
1.75V/cell	300.0	187.0	142.6	114.2	68.8	50.8	35.2	30.6	24.4	20.2	10.70
1.70V/cell	320.2	195.6	149.2	119.0	70.6	52.0	35.8	31.2	24.8	20.4	10.84
1.67V/cell	341.0	201.4	154.8	123.8	72.6	53.4	36.6	31.8	25.2	20.6	11.00
1.60V/cell	361.0	212.6	161.0	127.6	75.0	55.2	37.2	32.4	25.4	21.0	11.10

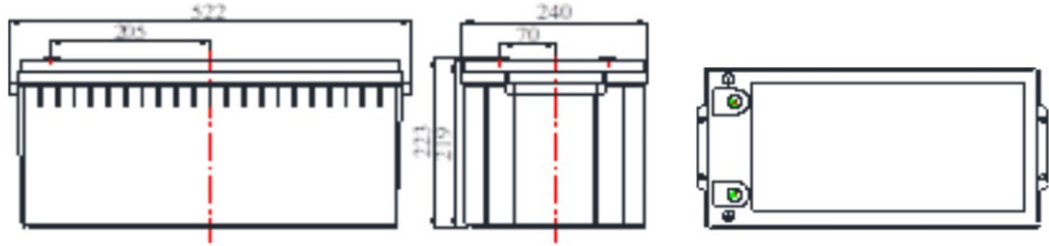
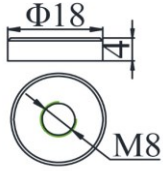
Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V/Time	15min	30min	45min	1h	2h	3h	5h	6h	8h	10h	20h
1.80V/cell	542.0	353.6	265.4	214.4	127.6	95.4	67.2	58.8	47.4	39.6	21.1
1.75V/cell	577.4	368.6	274.6	221.6	132.0	98.2	68.6	59.8	48.0	39.8	21.3
1.70V/cell	615.4	387.2	286.0	230.0	135.2	100.2	69.6	60.8	48.6	40.2	21.5
1.67V/cell	660.4	395.8	295.4	238.2	138.4	102.6	70.6	61.6	49.2	40.6	21.8
1.60V/cell	690.2	422.2	305.8	244.8	142.2	105.4	71.8	62.6	49.6	41.0	21.9

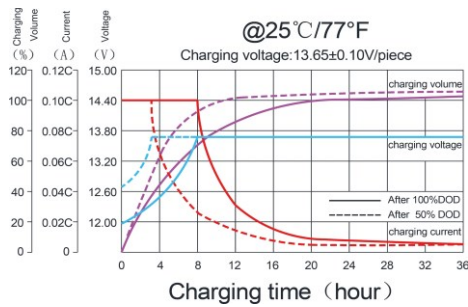
NAG200-12

Dimensions

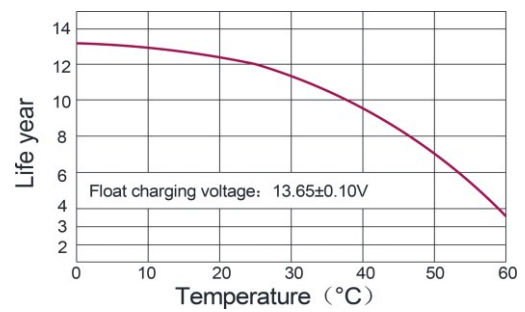
■ T11 Terminal
Unit: mm



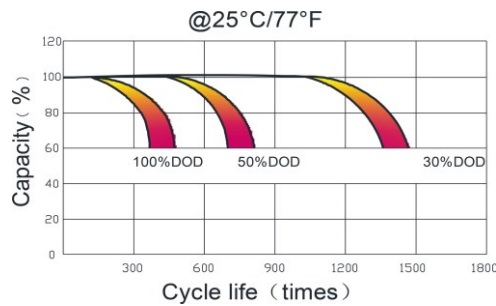
Charging Characteristics



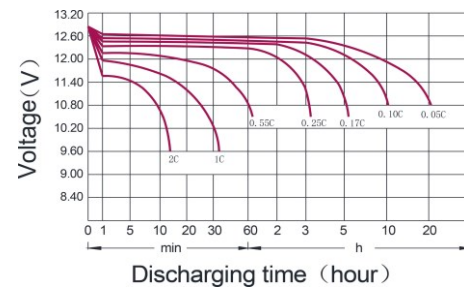
Temperature Effect on Design Service Life



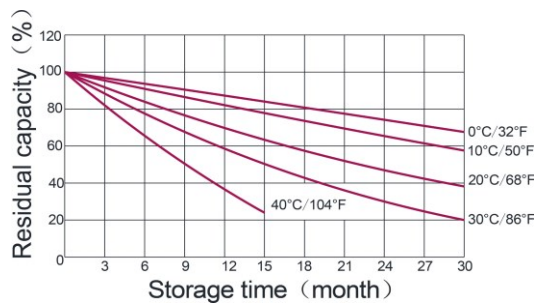
Cycle Life vs. Depth of Discharge



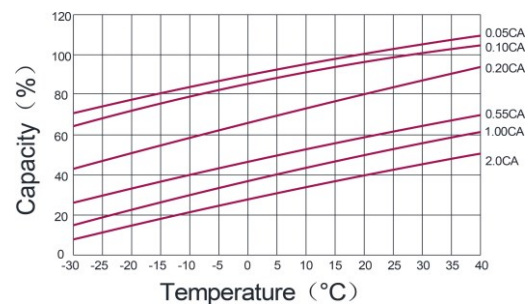
Discharge Characteristics



Temperature Effect on Battery Self-discharge



Temperature Effect on Capacity



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