

NDG Series (12V)

Narada

12NDG100

Standard

- YD/T 1360-2005
- YD/T 799-2010
- IEC60896-21/22-2004

Application

- IDC
- Energy Storage System
- Power Systems Medical
- Institutions
- Financial System
- Rail Transit System
- Telecommunication
- UPS



Product Feature

- Design life ≥ 12 years (20°C)
- Self-Discharge $\leq 3\%$ /month (25°C)
- Excellent deep discharge capability
- Gas recombination efficiency $\geq 99\%$
- Long cycle life
- Excellent capacity recovery ability
- Recyclable

Technical Feature

- Electrolyte is silica gel
- Imported special separator for gel
- ABS container of V-0
- The alloy grid is cast by gravity
- Patent technology of pole sealing
- Safety valve of explosion-proof & filter acid

Specifications

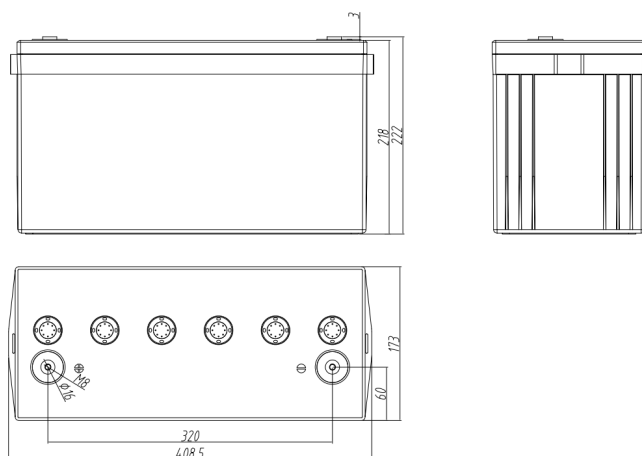
Battery Model	12NDG100
Rated Voltage	12V
Rated Capacity	100Ah (1 0hr to 1.80V/Cell, 2 5 °C)
Weight	37.5kg
Internal Resistance	Approx. 4.20 mΩ (25°C, fully charged)
Operating Temperature	Discharge : -40°C~50°C
	Charge : -20°C~50°C
	Storage : -20°C~40°C
Recommended Temperature	15°C~25°C
Float Charge Voltage	13.50±0.15V/Cell (25°C)
Maximum Charging Current	0.25C ₁₀
Equalization charge Voltage	14.10V~14.40V/Cell (25°C)
Self Discharge	The residual capacity is above 92% after 90 days storage(25°C/77°F)
Terminal	M8
Container Material	ABS

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Dimensions



12NDG100		
Dimensions (mm)	L	408.5
	W	173
	H	222
Terminal		M8
Terminal Hardware Torque		12 (N • m)

Discharge Data with Constant Current Units: Amperes (25°C, 77°F)

E.V/Cell	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.70V	164.8	104.0	65.6	38.2	27.5	22.1	18.7	16.0	12.6	10.4	5.8	5.0
1.75V	154.2	100.6	64.5	37.8	27.2	21.8	18.5	15.8	12.4	10.3	5.7	4.9
1.80V	142.0	95.5	62.4	36.9	26.6	21.4	18.1	15.5	12.2	10.1	5.6	4.8
1.85V	127.4	87.5	58.4	35.2	25.6	20.7	17.5	15.1	11.8	9.8	5.4	4.6
1.90V	107.9	75.9	52.2	32.4	23.9	19.4	16.5	14.2	11.1	9.1	4.9	4.1

Discharge Data with Constant Power Units: Watts per cell (25°C, 77°F)

E.V/Cell	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	20h	24h
1.70V	302.7	197.8	127.5	75.1	54.3	43.7	37.0	31.7	24.9	20.6	11.5	9.9
1.75V	289.5	193.1	125.7	74.3	53.7	43.2	36.5	31.4	24.6	20.4	11.4	9.8
1.80V	272.0	185.6	122.6	73.0	52.9	42.6	36.1	31.0	24.3	20.2	11.3	9.7
1.85V	248.9	172.9	116.0	70.0	50.9	41.1	34.9	30.0	23.5	19.5	10.8	9.3
1.90V	218.7	154.4	105.6	64.9	47.6	38.6	32.9	28.3	22.2	18.4	10.1	8.6

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