

NDG Series (12V)

Narada

12NDG150

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

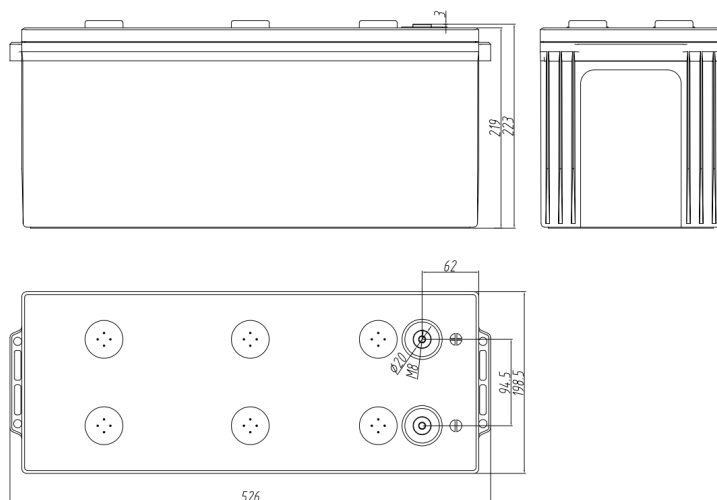
Battery Model	12NDG150
Rated Voltage	12V
Rated Capacity	150Ah (1 0hr to 1.80V/Cell, 2 5 °C)
Weight	55.5kg
Internal Resistance	Approx. 3.10 mΩ (25°C, fully charged)
Operating Temperature	Discharge : -40°C~50°C
	Charge : -20°C~50°C
	Storage : -20°C~40°C
Recommended Temperature	15°C~25°C
Float Charge Voltage	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

NDG Series (12V)

Narada

12NDG150

Dimensions



12NDG150		
Dimensions (mm)	L	526
	W	198.5
	H	223
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	247.2	156.0	98.4	57.2	41.2	33.1	28.0	24.0	18.8	15.6	8.7	7.5
1.75V	231.2	150.9	96.8	56.7	40.8	32.8	27.7	23.8	18.6	15.4	8.6	7.4
1.80V	212.9	143.3	93.7	55.4	40.0	32.1	27.1	23.3	18.3	15.1	8.5	7.3
1.85V	191.1	131.2	87.6	52.8	38.5	31.0	26.3	22.6	17.7	14.7	8.1	6.9
1.90V	161.8	113.8	78.3	48.6	35.8	29.1	24.7	21.3	16.6	13.7	7.3	6.2

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	454	297	191	113	81.4	65.5	55.5	47.6	37.4	31.0	17.3	14.8
1.75V	434	290	189	111	80.5	64.8	54.8	47.0	36.9	30.6	17.1	14.7
1.80V	408	278	184	110	79.4	63.9	54.1	46.5	36.5	30.2	17.0	14.6
1.85V	373	259	174	105	76.8	61.7	52.3	44.9	35.3	29.2	16.3	14.0
1.90V	328	232	158	97	71.5	58.0	49.3	42.4	33.3	27.6	15.1	12.9

NARADA POWER SOURCE CO.,LTD.

Add: Building A, NO. 822 Wen'er West Road, Hangzhou, Zhejiang, China 310030

Tel: (+86-571) 56975980

E-mail: intl@narada.biz

Fax: (+86-571) 56975955

Website: en.naradapower.com

