

Model: 100PzV1000

Ares series

Ares range battery adopts traditional tubular gel technology, adopts patent gel electrolyte. The products are used as standby power for communication, power, military and broadcast and television system. They possess precise ABS heat seal technology between container and lid and patented post seal structure. Provide better deep cycle performance versus AGM. The design float life is 18+ years.



Specifications

Battery Model	100PzV1000
Nominal Voltage	2V
Rated Capacity	1000Ah (10hour rate) to 1.80V/cell @25°C(77°F)
Typical Weight	80kg
Internal Resistance	Approx 0.238mΩ
Operating Temperature Range	Operation (maximum): -40°C to 55°C(-40°F to 131°F)
	Operation (recommended): 15°C to 25°C(59°F to 77°F)
	Storage: -20°C to 40°C(-4°F to 104°F)
Float Voltage	2.23V/cell@25°C(77°F)
Charge Current	100A(Recommendation) 250A(Maxmum)
Equalize and Cycle Service	2.35V~2.40V/cell@25°C(77°F)
Self Discharge	The residual capacity is above 94% after 90 days storage(25°C/77°F)
Terminal	M8 Female Large Size Copper Post
Terminal Hardware Torque	15 ± 1.0Nm
Container Material	ABS (V0 optional)

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

End voltage	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	16h	24h	48h	100h
1.60V	1088	869	595	369	266	211	181.0	159.2	128.3	105.2	67.9	47.1	25.9	14.5
1.65V	1050	840	581	362	262	209	179.1	157.2	127.4	104.7	67.6	47.1	25.7	14.3
1.70V	989	805	564	353	258	206	176.6	154.8	125.9	104.2	67.3	46.6	25.5	14.1
1.75V	937	775	547	344	252	202	173.6	151.8	123.5	102.7	66.3	45.7	25.2	13.7
1.80V	827	709	521	331	247	198	169.6	147.8	120.5	100.0	64.2	44.7	24.7	13.3
1.85V	696	597	484	313	239	192	164.2	142.8	117.1	98.2	63.4	43.2	23.5	12.8
1.90V	526	509	387	273	213	179	152.8	131.9	106.1	88.3	57.0	39.7	22.0	11.8

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

End voltage	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	16h	24h
1.60V	2176	1723	1319	724	550	438	367.5	318.0	264.1	221.8	143.2	97.1
1.65V	2072	1632	1227	719	547	435	365.0	316.0	262.3	220.3	142.2	96.4
1.70V	1977	1557	1149	709	539	429	360.0	311.5	258.7	217.3	140.3	95.1
1.75V	1872	1495	1081	689	526	412	347.2	306.0	254.4	213.3	137.7	93.7
1.80V	1751	1435	1020	665	511	402	331.3	290.0	242.5	202.4	130.7	88.8
1.85V	1638	1379	949	640	486	382	322.4	278.0	230.3	193.4	125.2	85.1
1.90V	1531	1258	845	580	470	363	311.0	252.0	209.0	175.9	113.5	77.2

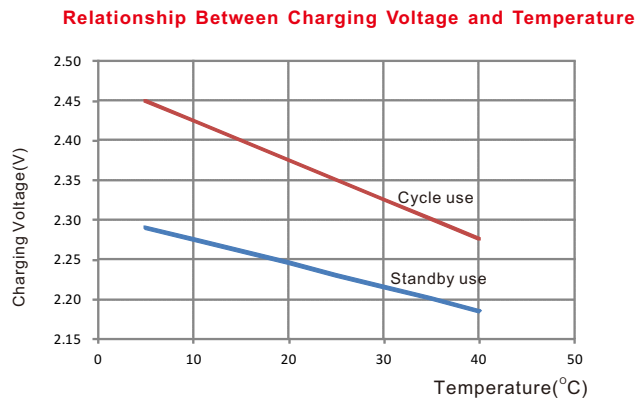
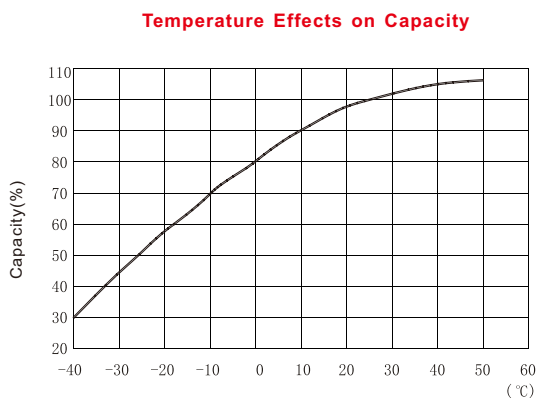
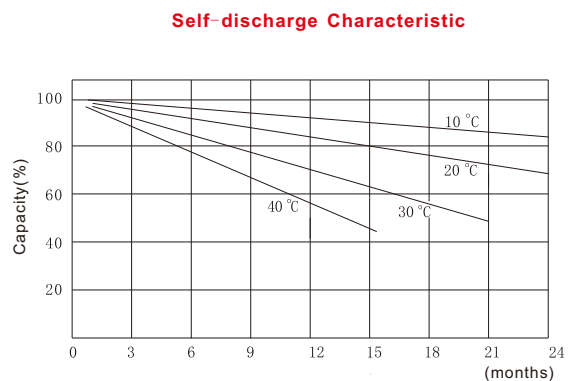
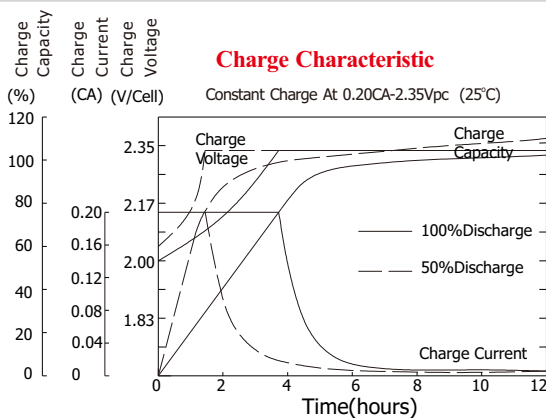
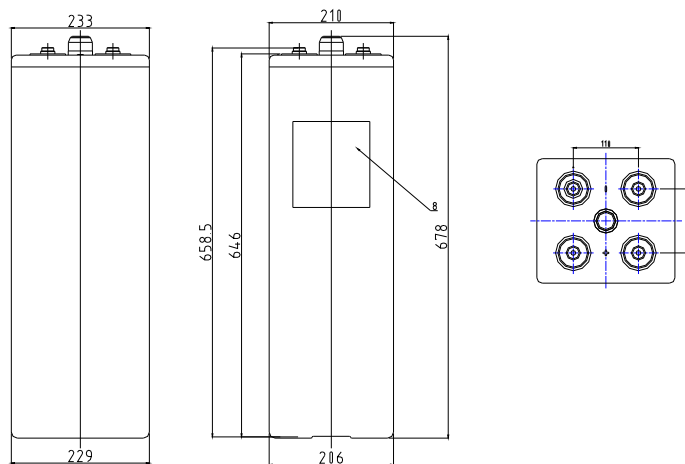
stored energy solutions for a demanding world

NARADA

Model: **100PzV1000**

Ares series

Dimensions-mm



NARADA POWER SOURCE CO.,LTD.
9F, Building A, No. 50 Zijinghua Road, Hangzhou, China
Tel: +86-571-28827013 Fax: +86-571-28828290
Website: www.naradabattery.com E-mail: intl@narada.biz

NARADA ASIA PACIFIC PTE.LTD.
65 Ubi Crescent #07-05 HOLA centre, Singapore
Tel: +65-6848 1191 Fax: +65-6749 3498
E-mail: sales@narada.com.sg

NARADA EUROPE (UK) LIMITED
Spectrum House, Dunstable Road, Redbourn,
St. Albans, Herts AL3 7PR
Tel: +44 (0)845 371 7095 Fax: +44 (0)845 612 2031
E-mail: sales@naradaeurope.com

