

stored energy solutions for a demanding world

Narada

Model: **80PzV800**

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	80PzV800
Nominal Voltage	2V
Rated Capacity	800Ah (10hour rate) to 1.80V/cell @25°C(77°F)
Typical Weight	65kg
Internal Resistance	Approx 0.29mΩ
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	80A(Recommendation) 200A(Maximum)
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	874	698	478	296	214	170	145.4	127.9	103.1	84.5	54.5	37.9	20.8	11.7
1.65V	843	675	467	290	211	168	143.8	126.3	102.3	84.1	54.2	37.9	20.6	11.5
1.70V	794	647	453	284	207	165	141.8	124.3	101.1	83.7	54.0	37.5	20.5	11.3
1.75V	753	623	440	276	203	163	139.4	121.9	99.2	82.5	53.2	36.7	20.2	11.0
1.80V	664	570	418	266	198	159	136.3	118.7	96.8	80.0	51.5	35.9	19.9	10.6
1.85V	559	479	389	252	192	154	131.9	114.7	94.1	78.9	50.9	34.7	18.9	10.3
1.90V	422	409	311	219	171	143	122.7	106.0	85.3	70.9	45.7	31.9	17.7	9.5

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	1748	1384	1060	582	442	351	295.2	256.0	212.1	178.2	115.0	78.0
1.65V	1664	1311	985	578	439	349	293.2	254.0	210.7	177.0	114.3	77.5
1.70V	1588	1251	923	570	433	344	289.1	250.0	207.8	174.5	112.7	76.4
1.75V	1503	1201	869	554	422	331	278.9	245.5	204.4	171.3	110.6	75.3
1.80V	1406	1153	819	534	410	323	266.1	233.0	194.0	162.5	105.0	71.3
1.85V	1316	1108	762	514	390	307	259.0	223.0	185.0	155.8	100.6	68.4
1.90V	1230	1011	679	466	377	290	252.0	202.5	168.0	141.3	91.2	62.0

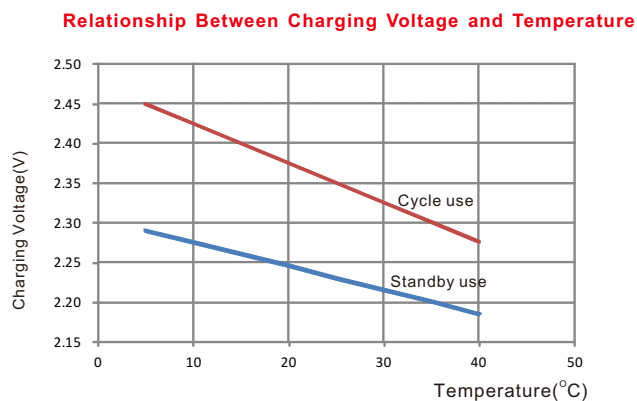
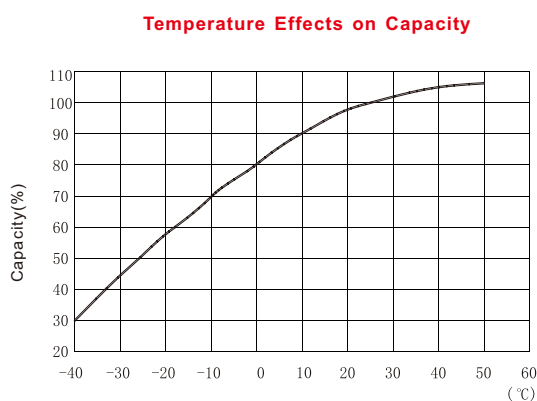
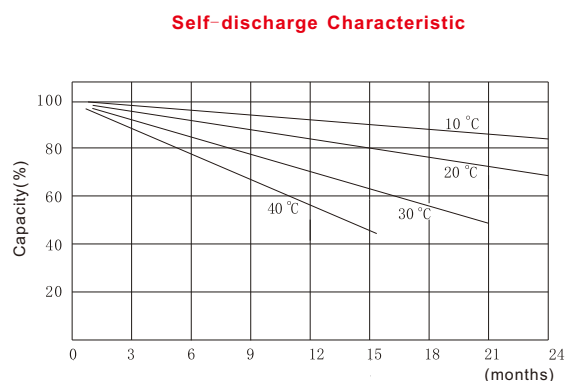
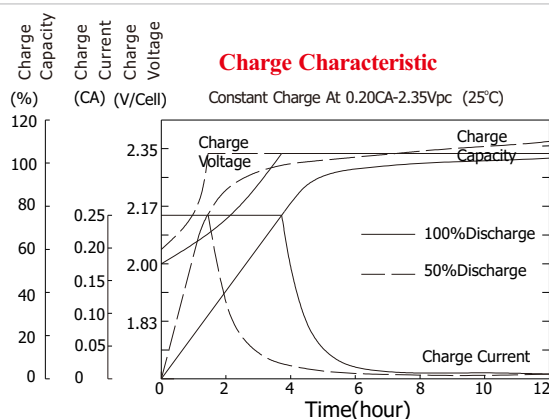
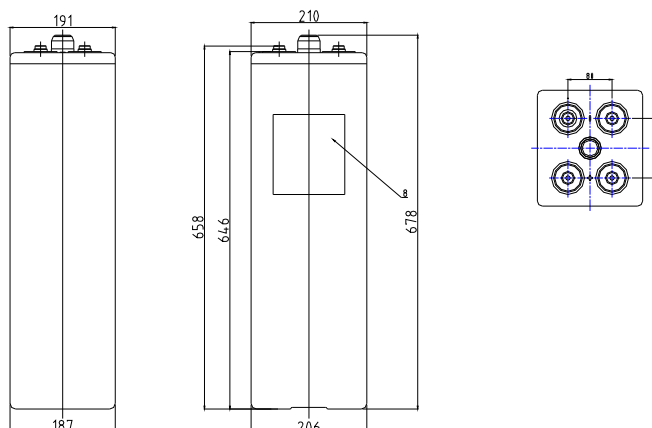
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Dimensions-mm[inch]



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