

stored energy solutions for a demanding world



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)
Recommended Maximum Charging Current Limit	200A
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)

### Constant Current Discharge Characteristics Units: Amperes (25°C, 77°F)

End voltage per cell	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	24h	48h	100h
1.60V	874	698	478	296	214	170	145	128	103	84.5	37.9	20.8	11.7
1.65V	843	675	467	290	211	168	144	126	102	84.1	37.9	20.6	11.5
1.70V	794	647	453	284	207	165	142	124	101	83.7	37.5	20.5	11.3
1.75V	753	623	440	276	203	163	139	122	99.2	82.5	36.7	20.2	11.0
1.80V	664	570	418	266	198	159	136	119	96.8	79.9	35.9	19.9	10.6
1.85V	559	479	389	252	192	154	132	115	94.1	78.9	34.7	18.9	10.3
1.90V	422	409	311	219	171	143	123	106	85.3	70.9	31.9	17.7	9.50

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

End voltage per cell	15min	30min	1h	2h	3h	4h	5h	6h	8h	10h	12h	24h
1.60V	1748	1384	1060	582	442	351	295	258	212	178	153	78.0
1.65V	1664	1311	985	578	439	349	293	257	211	177	152	77.5
1.70V	1588	1251	923	570	433	344	289	253	208	175	150	76.4
1.75V	1503	1201	869	554	422	331	279	247	204	171	148	75.3
1.80V	1406	1153	819	534	410	323	266	236	195	163	138	74.1
1.85V	1316	1108	762	514	390	307	259	227	190	156	133	72.1
1.90V	1230	1011	679	466	377	323	268	217	180	141	122	68.7

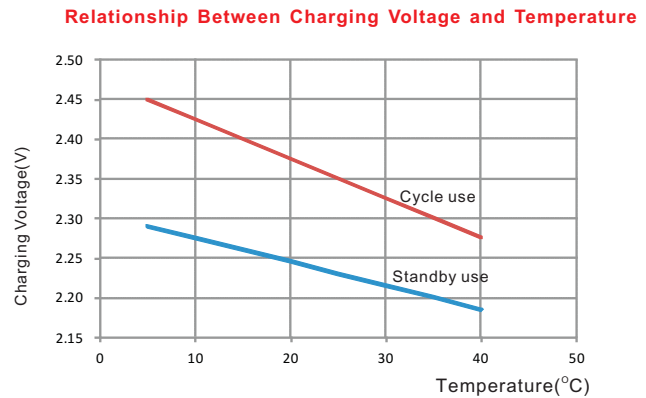
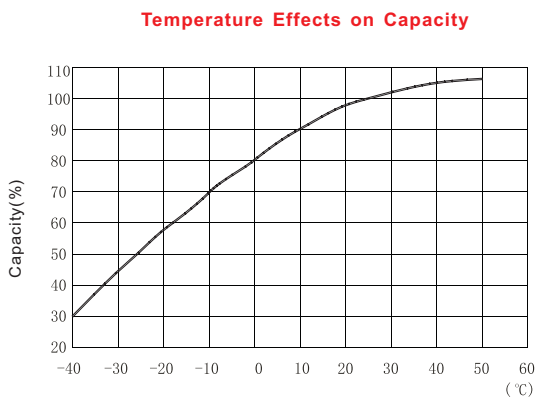
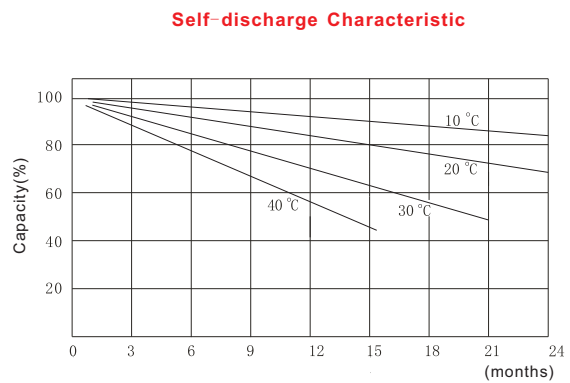
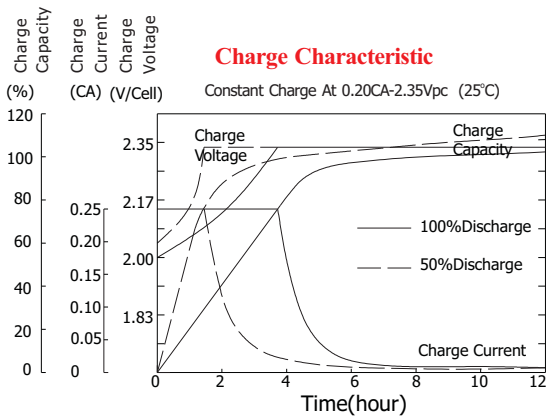
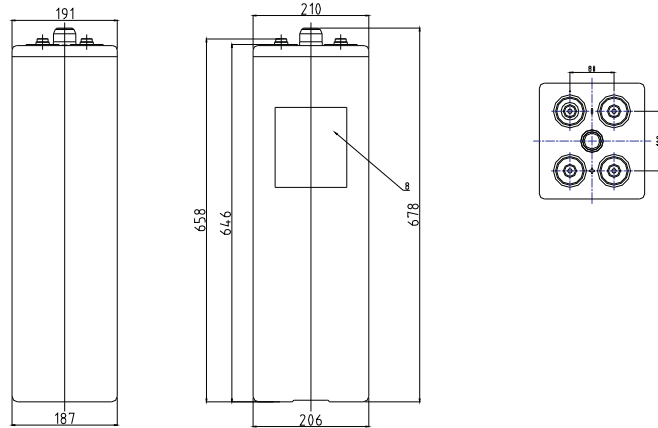
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**NARADA**

Model: **80PzV800**

Ares series

Dimensions-mm[inch]



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