

stored energy solutions for a demanding world



Model: **60PzV 400**

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	60PzV 400
Nominal Voltage	2V
Rated Capacity	400Ah (10hour rate) to 1.80V/cell @25°C(77°F)
Typical Weight	35kg
Internal Resistance	Approx 0.51mΩ
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	100A
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	450	359	246	153	110	87.3	74.8	65.8	53.0	43.5	19.5	10.7	6.00
1.65V	434	347	240	149	108	86.3	74.0	65.0	52.6	43.3	19.5	10.6	5.91
1.70V	409	333	233	146	107	85.1	73.0	64.0	52.0	43.1	19.3	10.5	5.82
1.75V	387	320	226	142	104	83.6	71.8	62.7	51.0	42.4	18.9	10.4	5.66
1.80V	342	293	215	137	102	81.8	70.1	61.1	49.8	41.1	18.5	10.2	5.48
1.85V	288	247	200	130	98.6	79.3	67.9	59.0	48.4	40.6	17.9	9.73	5.30
1.90V	217	210	160	113	88.2	73.8	63.1	54.5	43.9	36.5	16.4	9.09	4.89

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	899	712	545	299	227	181	152	133	109	91.7	78.7	40.1
1.65V	856	674	507	297	226	180	151	132	108	91.1	78.2	39.9
1.70V	817	644	475	293	223	177	149	130	107	89.8	77.1	39.3
1.75V	774	618	447	285	217	170	144	127	105	88.2	76.1	38.7
1.80V	724	593	422	275	211	166	137	122	100	83.6	71.1	38.1
1.85V	677	570	392	264	201	158	133	117	97.6	80.2	68.5	37.1
1.90V	633	520	349	240	194	166	138	111	92.7	72.7	62.5	35.3

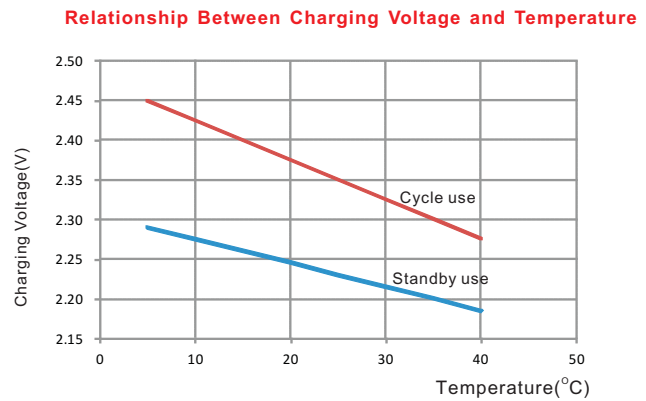
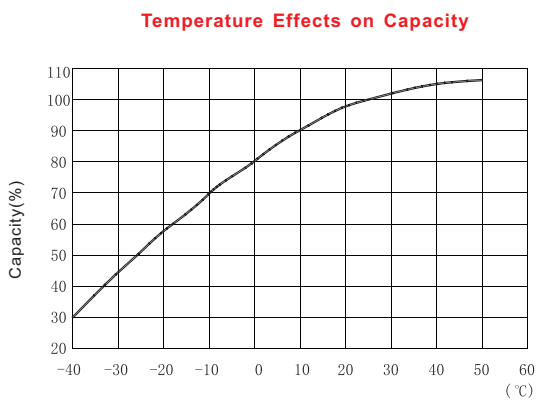
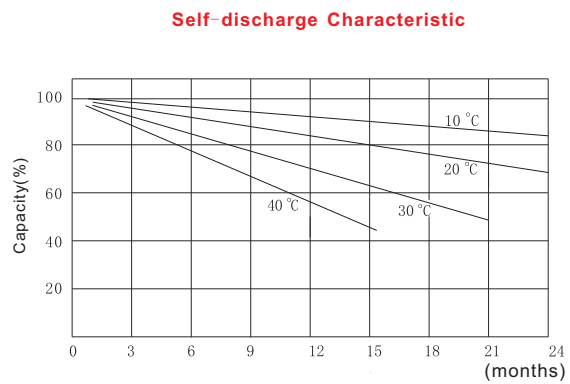
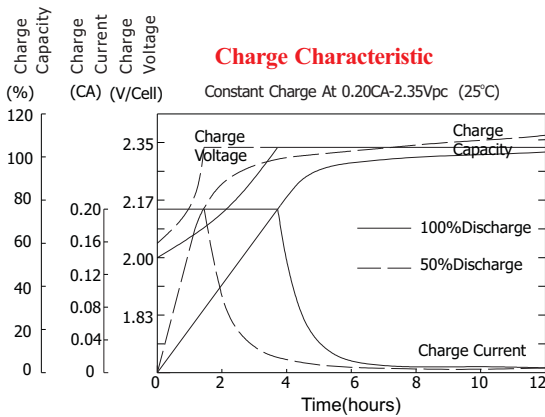
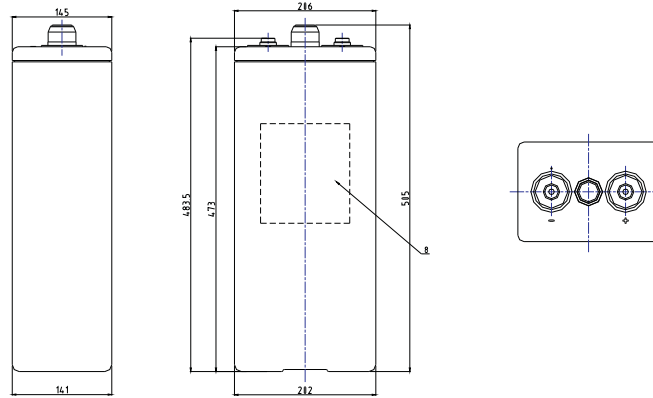
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NARADA

Model: **60PzV 400**

Ares series

Dimensions-mm[inch]



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60PzV 400-02-EN August 2011 E.&O.E.