

stored energy solutions for a demanding world



Model: 60PzV600

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 600
Nominal Voltage	2V
Rated Capacity	600Ah (10hour rate) to 1.80V/cell @25°C(77°F)
Typical Weight	49kg
Internal Resistance	Approx 0.425mΩ
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	150A
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	658	525	360	223	161	128	110	96.3	77.6	63.6	28.5	15.7	8.78
1.65V	635	508	351	219	159	126	108	95.1	77.0	63.3	28.5	15.5	8.65
1.70V	598	487	341	214	156	125	107	93.6	76.1	63.0	28.2	15.4	8.51
1.75V	567	469	331	208	153	122	105	91.8	74.7	62.1	27.6	15.2	8.28
1.80V	500	429	315	200	149	120	103	89.4	72.9	60.2	27.0	15.0	8.02
1.85V	421	361	293	190	144	116	99.3	86.4	70.9	59.4	26.1	14.2	7.76
1.90V	318	308	234	165	129	108	92.4	79.8	64.2	53.4	24.0	13.3	7.15

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	1316	1042	798	438	333	265	222	195	160	134	115	58.7
1.65V	1253	987	742	435	331	263	221	193	159	133	114	58.3
1.70V	1196	942	695	429	326	259	218	191	156	131	113	57.5
1.75V	1132	904	654	417	318	249	210	186	154	129	111	56.7
1.80V	1059	868	617	402	309	243	200	178	147	122	104	55.8
1.85V	991	834	574	387	294	231	195	171	143	117	100	54.3
1.90V	926	761	511	351	284	243	202	163	136	106	91.5	51.7

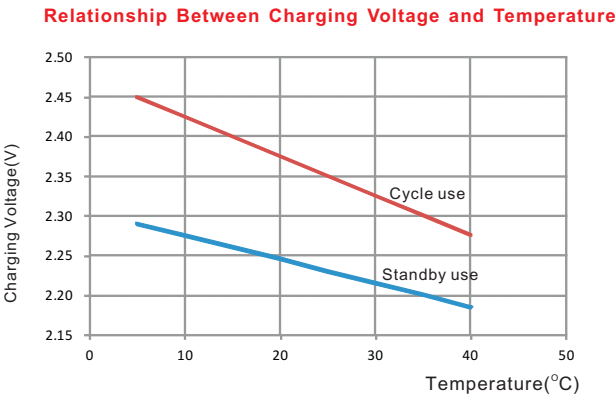
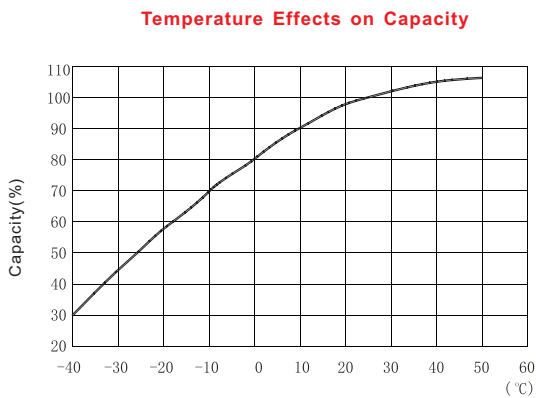
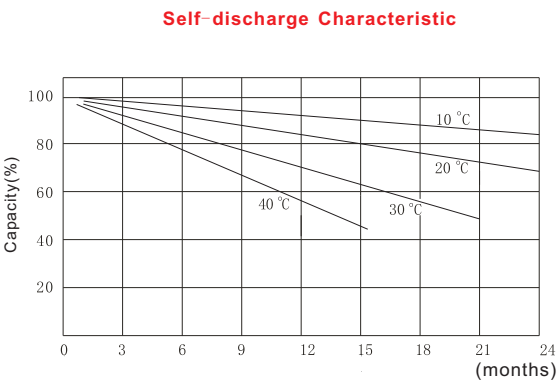
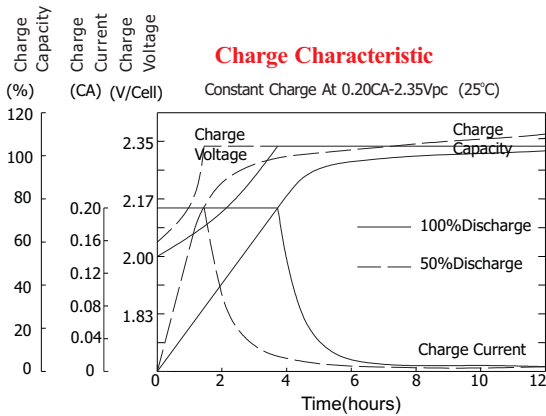
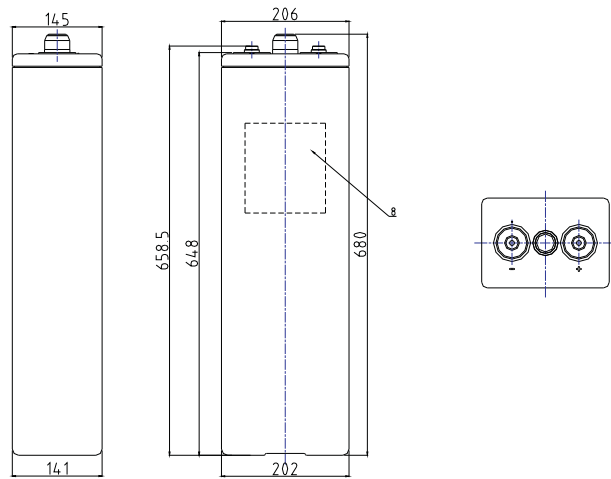
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Dimensions-mm[inch]



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