

stored energy solutions for a demanding world



Model: 40PzV 200

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	40PzV 200
Nominal Voltage	2V
Rated Capacity	200Ah (10hour rate) to 1.80V/cell @25°C(77°F)
Typical Weight	20kg
Internal Resistance	Approx 0.94mΩ
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	50A
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	219	175	120	74.4	53.7	42.6	36.5	32.1	25.9	21.2	9.50	5.22	2.93
1.65V	212	169	117	72.9	52.9	42.1	36.1	31.7	25.7	21.1	9.50	5.18	2.88
1.70V	199	162	114	71.2	52.0	41.5	35.6	31.2	25.4	21.0	9.41	5.13	2.84
1.75V	189	156	110	69.3	50.9	40.8	35.0	30.6	24.9	20.7	9.21	5.07	2.76
1.80V	167	143	105	66.7	49.7	39.9	34.2	29.8	24.3	20.1	9.01	4.99	2.67
1.85V	140	120	97.6	63.2	48.1	38.7	33.1	28.8	23.6	19.8	8.71	4.75	2.59
1.90V	106	103	78.0	55.0	43.0	36.0	30.8	26.6	21.4	17.8	8.00	4.43	2.38

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	439	347	266	146	111	88.2	74.1	64.8	53.2	44.7	38.4	19.6
1.65V	418	329	247	145	110	87.6	73.6	64.4	52.9	44.4	38.1	19.4
1.70V	399	314	232	143	109	86.4	72.6	63.5	52.2	43.8	37.6	19.2
1.75V	377	301	218	139	106	83.0	70.0	62.1	51.3	43.0	37.1	18.9
1.80V	353	289	206	134	103	81.0	66.8	59.3	48.9	40.8	34.7	18.6
1.85V	330	278	191	129	98.0	77.0	65.0	57.0	47.6	39.1	33.4	18.1
1.90V	309	254	170	117	94.7	81.0	67.3	54.3	45.2	35.5	30.5	17.2

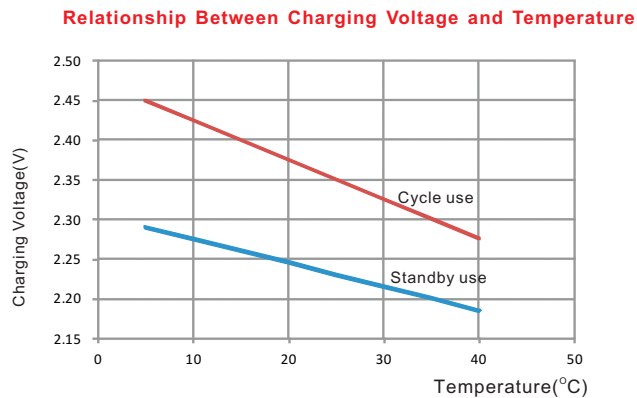
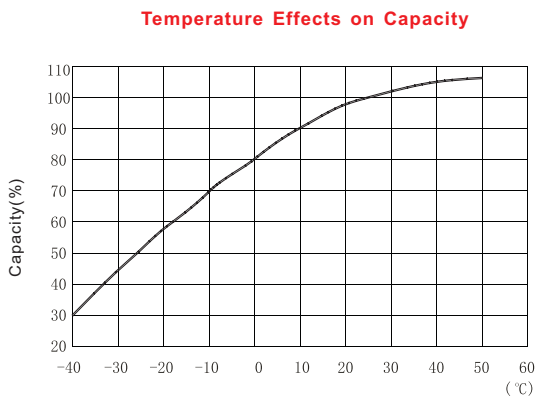
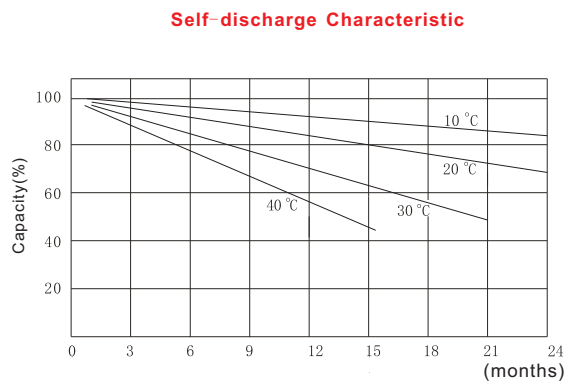
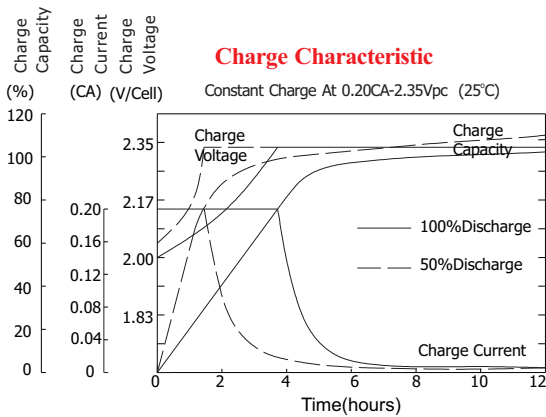
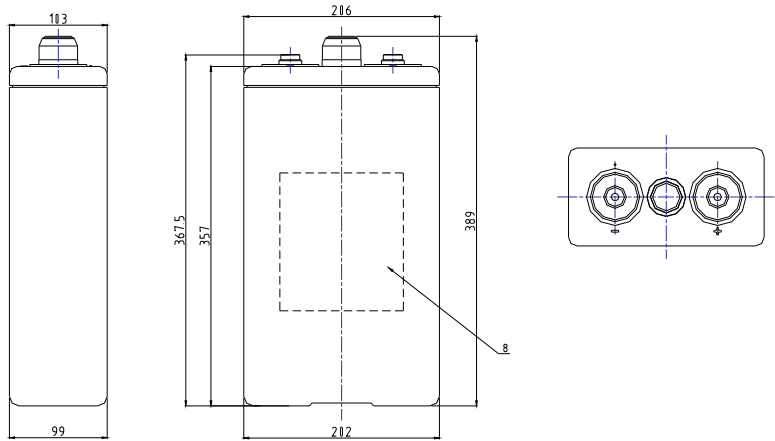
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Dimensions-mm [inch]



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