

stored energy solutions for a demanding world



Model: **60PzV300**

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 300
Nominal Voltage	2V
Rated Capacity	300Ah (10hour rate) to 1.80V/cell @25°C(77°F)
Typical Weight	28kg
Internal Resistance	Approx 0.62mΩ
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	75A
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	329	263	180	112	80.6	63.9	54.8	48.2	38.8	31.8	14.3	7.83	4.39
1.65V	318	254	176	109	79.4	63.2	54.2	47.6	38.5	31.7	14.3	7.76	4.32
1.70V	299	244	170	107	78.0	62.3	53.4	46.8	38.1	31.5	14.1	7.70	4.26
1.75V	284	235	166	104	76.4	61.2	52.5	45.9	37.3	31.1	13.8	7.61	4.14
1.80V	250	215	158	100	74.6	59.9	51.3	44.7	36.5	30.1	13.5	7.48	4.01
1.85V	211	181	146	94.8	72.2	58.1	49.7	43.2	35.4	29.7	13.1	7.12	3.88
1.90V	159	154	117	82.5	64.5	54.0	46.2	39.9	32.1	26.7	12.0	6.65	3.58

### 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	658	521	399	219	166	132	111	97.3	79.9	67.1	57.6	29.4
1.65V	627	494	371	218	165	131	110	96.6	79.3	66.6	57.2	29.2
1.70V	598	471	348	215	163	130	109	95.3	78.2	65.7	56.4	28.8
1.75V	566	452	327	209	159	125	105	93.2	77.0	64.5	55.7	28.4
1.80V	530	434	309	201	155	122	100	89.0	73.4	61.2	52.1	27.9
1.85V	496	417	287	194	147	116	98	85.5	71.4	58.7	50.1	27.2
1.90V	463	381	256	176	142	122	101	81.5	67.8	53.2	45.8	25.9

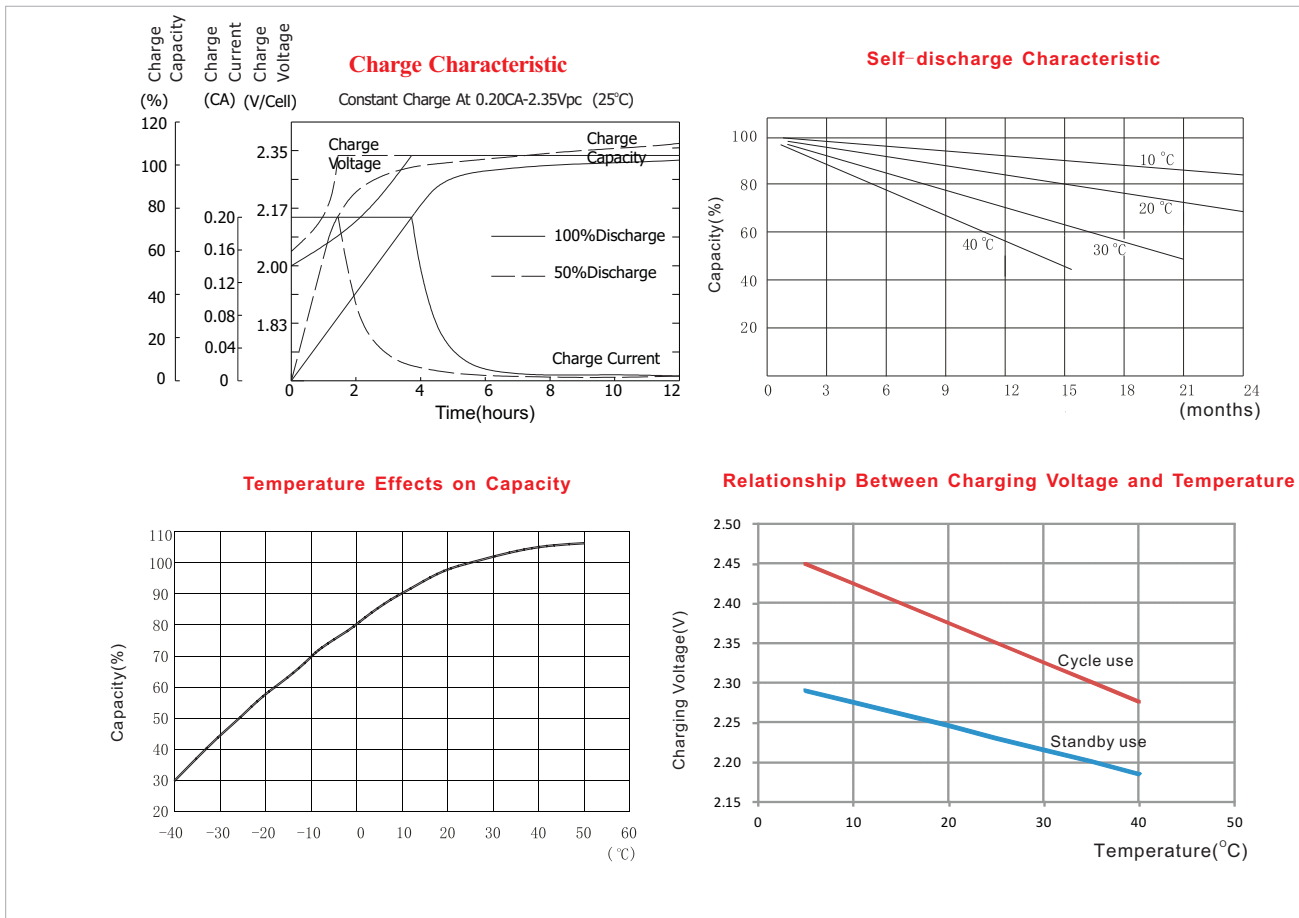
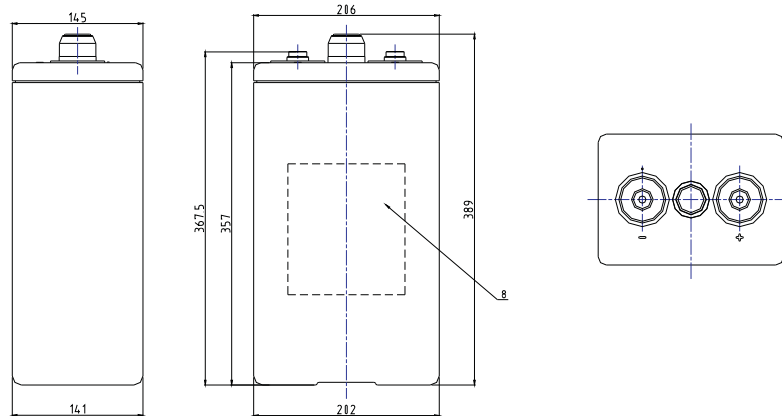
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**NARADA**

Model: **60PzV300**

Ares series

Dimensions—mm[inch]



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