



PERFORMANCE SPECIFICATIONS

Voltage per unit	6 Volts
Cell per unit	3 cells
Nominal Capacity (5.25 Volts)	
20 hr.	6.00Ah / 0.30A
10 hr.	5.58Ah / 0.558A
5 hr.	5.05Ah / 1.01A
1 hr.	4.41Ah / 1.47A
Approximate Weight	2.78 lb / 1.26 kg
Energy Density	1.21 W-h/in ³ (74.14 W-h/l)
Specific Density	14.44 W-h/lb (31.84 W-h/kg)
Internal Resistance	(Approx.) 16mΩ
Max Discharge Current	90A (5s)
Max Short-Duration Discharge Current	60.0A (10 sec.)

Shelf Life			
1 Month	3 Months	6 Months	12 Months
97%	91%	82%	64%

Operating Temperature Range	
Charge	-4°F (-20°C) to 122°F (50°C)
Discharge	-40°F (-40°C) to 140°F (60°C)

Charging Voltage (25°C)	
Cycle Use	7.2V~7.5V at 250 C(770 F)Temp. Coefficient - 15mV/OC
Float Use	6.75V~6.9V at 250 C(770 F)Temp. Coefficient - 10mV/OC

Terminal Type	F1 Terminal
Certificate	ur,ce

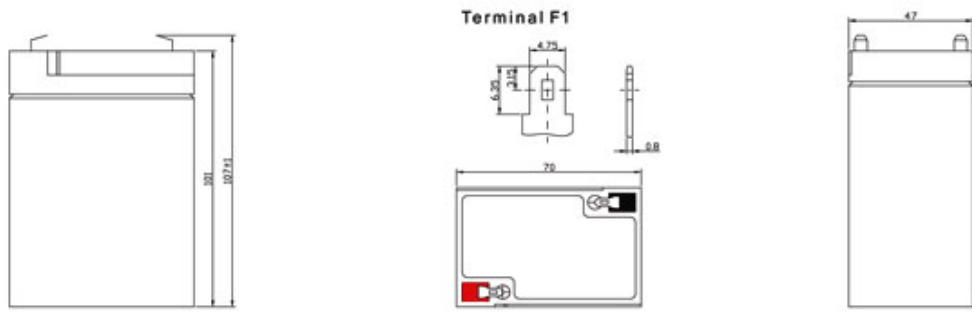
FEATURES

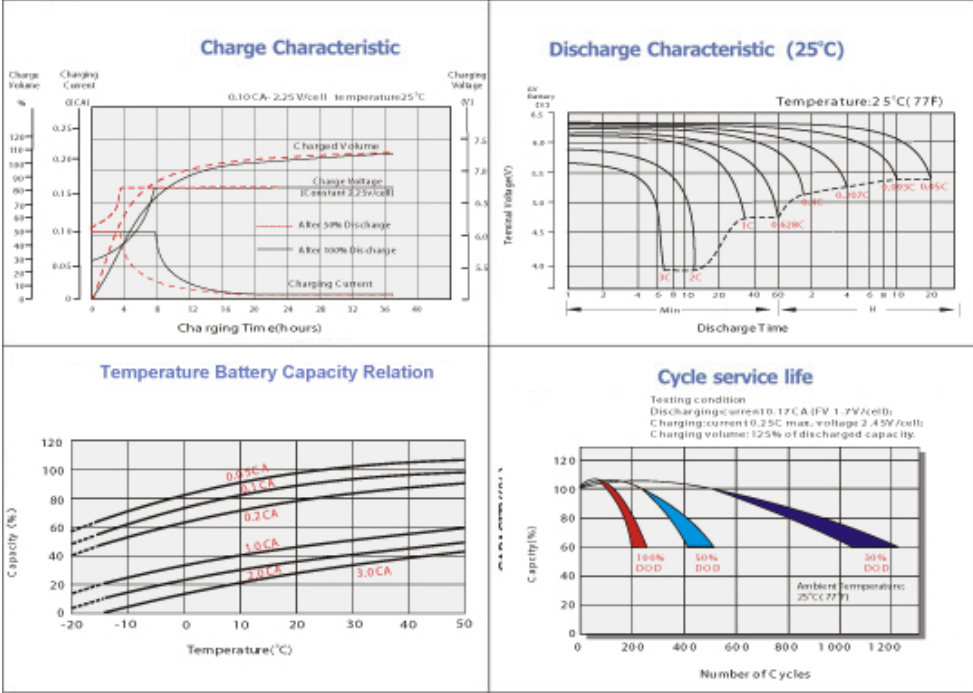
Amstron AP-660 Rechargeable Sealed Lead Acid Battery is designed with AGM (Absorbent Glass Mat) technology, high performance plates and electrolyte to produce extra output power for common power backup system applications. This battery uses a state of the art, heavy-duty, calcium-alloy grid that provides exceptional performance and service life in both float and cyclic applications.

- Air & Transport Approved: DOT, IATA, FAA
- UL recognized under file number MH47341
- Rugged impact resistant ABS case and cover (UL94-HB)
- Flame Retardant (UL94V-0) Optional
- Sealed and maintenance free operation
- Non-Spill construction design
- Valve Regulated Lead Battery (VRLA) Safety venting valve for pressure release

DIMENSIONS **L: 2.8 inch (7.11 cm) W: 1.89 inch (4.80 cm) H: 3.94 inch (10.01 cm)**

Tolerances are +/- 0.04 in. (+/- 1mm) and =/1 0.08 in (+/- 2mm_ for height dimensions. All data subject to change without notice.





Constant current discharge ratings-amperes at 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	11.5	8.03	6.62	5.74	4.61	3.54	2.90	1.77	1.35	1.11	0.941	0.815	0.648	0.539	0.297
1.80V/cell	14.2	9.58	7.68	6.50	5.10	3.86	3.12	1.88	1.42	1.17	0.982	0.851	0.672	0.558	0.300
1.75V/cell	16.8	10.8	8.47	7.07	5.45	4.10	3.28	1.96	1.47	1.20	1.01	0.872	0.690	0.569	0.303
1.70V/cell	19.0	12.0	9.17	7.60	5.72	4.26	3.42	2.04	1.52	1.23	1.03	0.893	0.701	0.578	0.308
1.65V/cell	21.0	12.9	9.70	7.97	5.96	4.43	3.56	2.10	1.55	1.26	1.06	0.910	0.712	0.586	0.313
1.60V/cell	22.0	13.4	10.1	8.23	6.13	4.53	3.64	2.17	1.59	1.29	1.08	0.928	0.727	0.596	0.314

Constant power discharge ratings-watts at 25°C

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	21.7	15.3	12.7	11.1	8.99	6.95	5.71	3.50	2.68	2.21	1.88	1.63	1.30	1.09	0.600
1.80V/cell	26.4	18.1	14.6	12.5	9.88	7.53	6.11	3.70	2.80	2.31	1.95	1.70	1.34	1.12	0.603
1.75V/cell	30.9	20.2	16.0	13.5	10.5	7.95	6.40	3.84	2.88	2.37	1.99	1.73	1.37	1.13	0.605
1.70V/cell	34.7	22.1	17.2	14.4	10.9	8.21	6.63	3.98	2.96	2.41	2.03	1.76	1.38	1.14	0.612
1.65V/cell	37.7	23.4	17.9	14.9	11.3	8.48	6.86	4.07	3.02	2.45	2.07	1.78	1.40	1.15	0.618
1.60V/cell	39.0	24.1	18.5	15.2	11.5	8.58	6.96	4.17	3.07	2.50	2.09	1.81	1.42	1.17	0.618

MAINTENANCE & CAUTIONS

Float Service:

- Every month, it is recommended the battery voltage is inspected
- Every three months, it is recommended that an equalization charge is performed

Further Information

Please refer to our website www.amstron.com for a complete documentation, such as product catalogs, material safety data sheets (MSDS), ISO certification, UR certification, etc...

CHARGING

Limit initial current to 1.2A. Charge until battery voltage (under charge) reaches 14.4 to 14.7 volts at 68°F (20°C). Hold at 14.4 to 14.7 volts until current drops to under 70mA. Battery is fully charged under these conditions and charger should be disconnected or switched to "float" voltage.

Contact Information

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