



FEATURES

Amstron AP-12120 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.

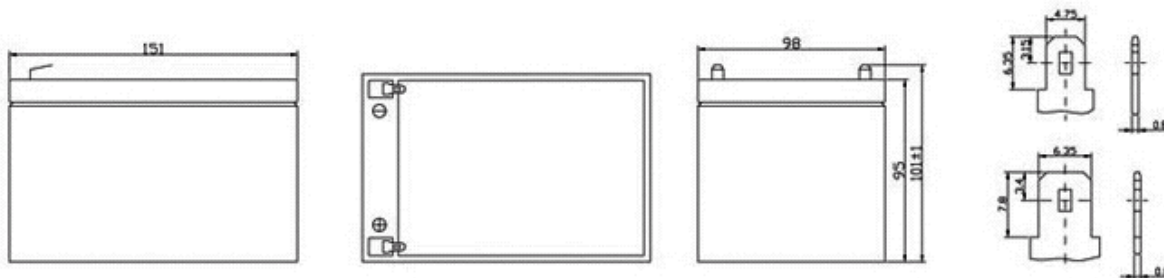
- Air & Transport Approved: DOT, IATA, FAA
- UL recognized under file number MH47341
- Rugged impact resistant ABS case and cover (UL94-HB)
- Flame Retardant (UL94V-0) Optional
- Sealed and maintenance free operation
- Non-Spill construction design
- Valve Regulated Lead Battery (VRLA) Safety venting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

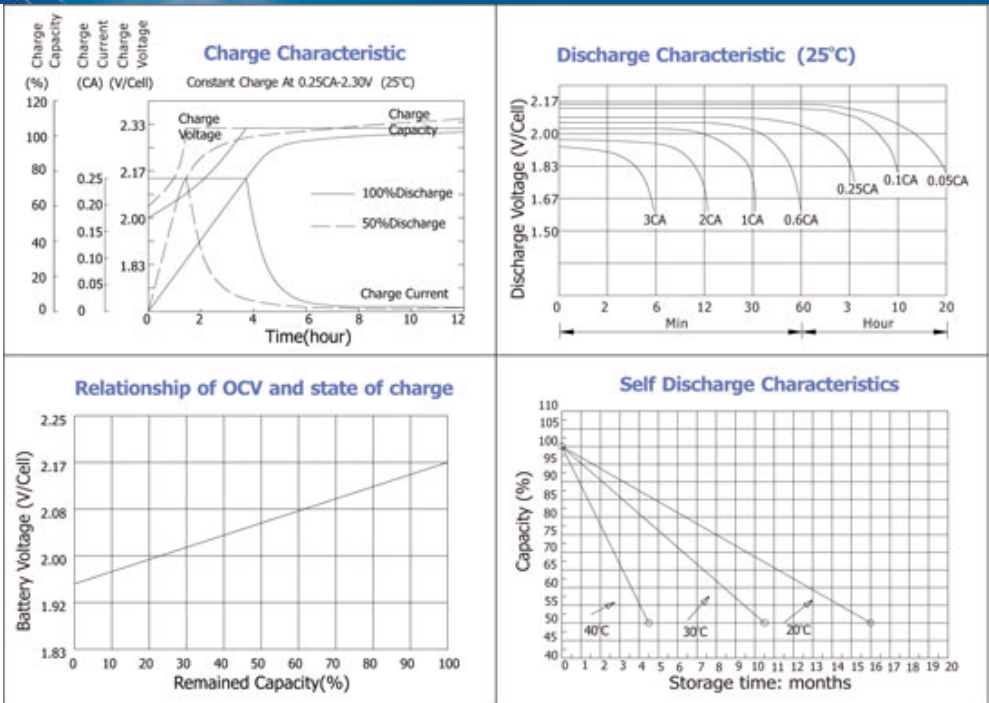
PERFORMANCE SPECIFICATIONS

Voltage per unit	12 Volts			
Cell per unit	6 cells			
Nominal Capacity (10.50 Volts)				
20 hr.				0.60A / 12.0Ah
10 hr.				1.16A / 11.6Ah
5 hr.				2.02A / 10.1Ah
1 hr.				7.32A / 7.32Ah
Approximate Weight	7.95 lb / 3.61 kg			
Energy Density	1.69 W-h/in ³ (103.41 W-h/l)			
Specific Density	18.18 W-h/lb (40.08 W-h/kg)			
Internal Resistance	(Approx.) 16mΩ			
Max Discharge Current	36.0A (7 min.)			
Max Short-Duration Discharge Current	120.0A (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	14.4-15V(-30mV/°C), Max. Current 3.6A			
Float Use	13.6-13.8V(-20mV/°C),			
Terminal Type	F2			
Certificate	CE,UR			

DIMENSIONS L: 5.97 inch (15.16 cm) W: 3.89 inch (9.88 cm) H: 3.78 inch (9.60 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	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	44.9	28.0	21.1	12.9	8.03	3.53	2.15	1.19	0.65
1.67V	42.2	26.5	20.3	12.3	7.93	3.39	2.11	1.18	0.62
1.70V	38.6	25.6	19.8	11.2	7.68	3.16	2.06	1.18	0.61
1.75V	37.9	24.8	19.2	10.6	7.32	3.06	2.02	1.16	0.60
1.80V	33.9	23.6	17.4	9.84	6.86	2.94	1.90	1.15	0.58
1.85V	29.9	22.5	15.7	9.06	6.39	2.83	1.78	1.13	0.56

Constant power discharge ratings-watts at 25°C

F. V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	78.8	50.5	38.5	23.2	14.8	6.36	3.71	2.45	1.29
1.67V	76.1	49.2	38.0	22.7	14.7	6.16	3.69	2.44	1.24
1.70V	71.6	48.7	37.7	21.2	14.4	5.89	3.64	2.42	1.23
1.75V	72.1	48.6	37.4	20.6	14.1	5.75	3.61	2.39	1.20
1.80V	65.9	47.8	34.7	19.6	13.3	5.58	3.50	2.36	1.17
1.85V	59.8	45.4	31.4	18.4	12.5	5.41	3.39	2.33	1.12

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

CHARGING

Limit initial current to 3.6A. 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.

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...

Contact Information

Amstron Power Solutions
28918 Hancock Parkway Valencia, CA 91355 U.S.A.
Tel: 818-504-1634 Fax: 818-504-1636
Email: sales@amstron.com