

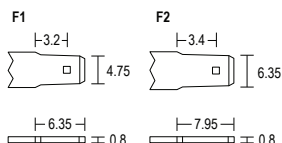


Features

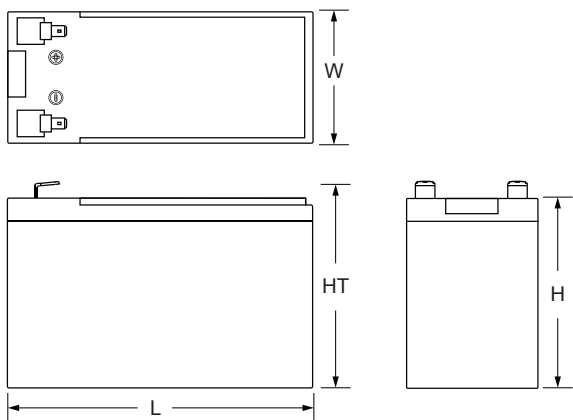
- Absorbent Glass Mat (AGM) technology for superior performance
- Valve regulated, spill proof construction allows safe operation in any position
- Power/volume ratio yielding unrivaled energy density
- Rugged impact resistant ABS case and cover (UL94-HB)
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L. recognized under file number MH 47341

Terminals: (mm)

- F1 - Quick disconnect tabs, 0.187" x 0.032" - Mate with AMP. INC. FASTON "187" series
- F2 - Quick disconnect tabs, 0.250" x 0.032" - Mate with AMP. INC FASTON "250" series



Physical Dimensions: in (mm)



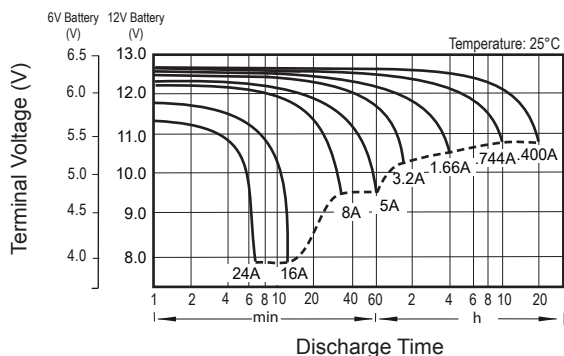
L: 5.95 (151) W: 2.56 (65) H: 3.72 (94.5) HT: 3.90 (99)

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

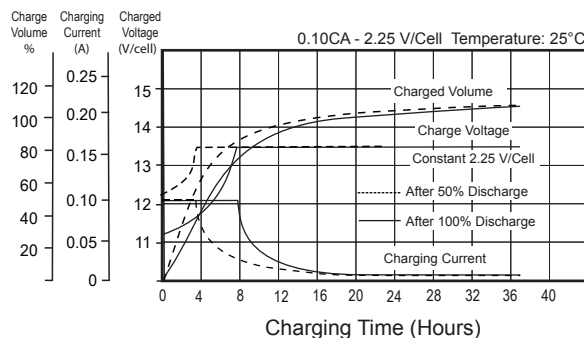
Performance Specifications

Nominal Voltage	12 volts (6 cells)
Nominal Capacity	
20-hr. (400mA to 10.50 volts)	8.00 AH
10-hr. (720mA to 10.50 volts)	7.20 AH
5-hr. (1.33A to 10.20 volts)	6.65 AH
1-hr. (4.90A to 9.00 volts)	4.90 AH
15-min. (15.1A to 9.00 volts)	3.78 AH
Approximate Weight	5.60 lbs. (2.54 kg)
Energy Density (20-hr. rate)	1.69 W-h/in ³ (103.39 W-h/l)
Specific Energy (20-hr. rate)	17.42 W-h/lb (38.41 W-h/kg)
Internal Resistance (approx.)	18 milliohms
Max Discharge Current (7 Min.)	24.0 amperes
Max Short-Duration Discharge Current (10 Sec.)	80.0 amperes
Shelf Life (% of nominal capacity at 68°F (20°C))	
1 Month	97%
3 Months	91%
6 Months	83%
Operating Temperature Range	
Charge	-4°F (-20°C) to 122°F (50°C)
Discharge	-40°F (-40°C) to 140°F (60°C)
Case	ABS Plastic
Charging Voltage (Cycle)	14.5-14.7V, 2.4A Max. Current

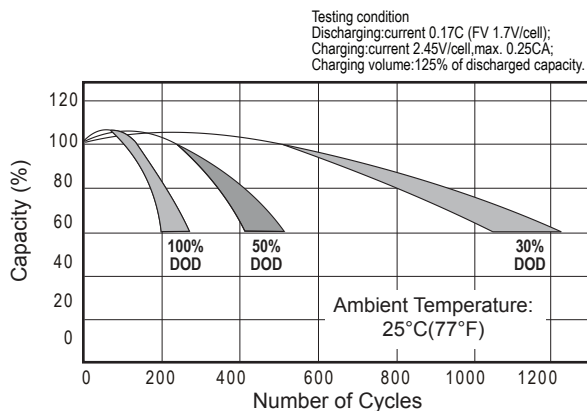
Discharge Characteristics



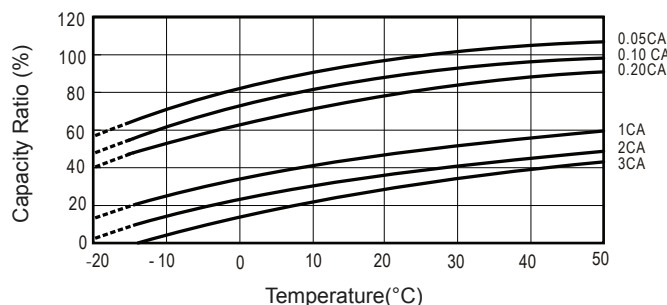
Charging Characteristics (Cycle Use)



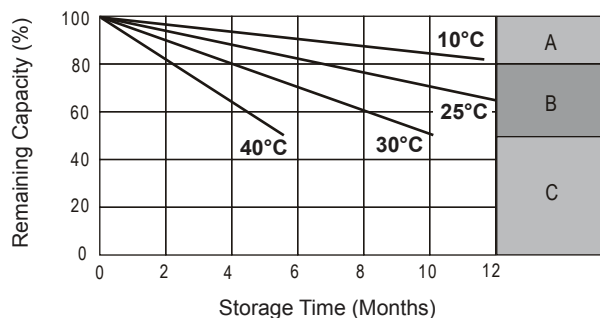
Cycle Life in Relation to Depth of Discharge



Temperature Effects in Relation to Battery Capacity



Self Discharge Characteristics



Charging

Cycle Applications: Limit initial current to 2.4A. 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 80mA. Battery is fully charged under these conditions, and charger should be disconnected or switched to "float" voltage.

"Float" or "Stand-By" Service: Hold battery across constant voltage source of 13.5 to 13.8 volts continuously. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

Note: Due to the self-discharge characteristics of this type of battery, it is imperative that they be charged within 6 months of storage, otherwise permanent loss of capacity might occur as a result of sulfation.

Chargers

Amstron offers a wide range of chargers suitable for batteries up to 100AH.

Further Information

Please refer to our website www.amstron.com for a complete range of useful downloads, and material safety data sheets (MSDS).

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