

DCG12-140 12 Volt 135 AH @ 20-hr. rate
125.6 AH @ 10-hr. rate

Rechargeable Sealed Lead Acid Battery
Power-Gel Series™



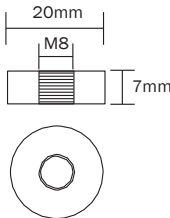
Features

- Thixotropic gel electrolyte for enhanced performance
- Valve regulated, spill proof construction allows safe operation in any position
- Superior capabilities
- Power/volume ratio yielding unrivaled energy density
- Rugged ABS plastic (UL94-HB) case and cover
- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- U.L. recognized - MH 20845
- CE compliant

Terminals

(mm)

- T11: Threaded insert w. 8 mm stud fastener



Performance Specifications

Nominal Voltage.....	12 volts (6 cells)
Nominal Capacity	
20-hr. (6.75A to 10.5 volts)	135.0 AH
10-hr. (12.56A to 10.5 volts)	125.6 AH
5-hr. (21.6A to 10.5 volts)	108.0 AH
3-hr. (32.6A to 10.5 volts)	97.8 AH
1-hr. (43.0 A to 9.0 volts)	74.3 AH

Approximate Weight	97.5 lbs. (44.2 kg)
Energy Density (20-hr. rate)	1.38 W-h/in ³ (84.23 W-h/l)
Specific Energy (20-hr. rate)	17.51 W-h/lb (38.61 W-h/kg)
Internal Resistance (approx.)	4.2 milliohms
Shelf Life (% of nominal capacity at 68°F (20°C))	
1 Month	97%
3 Months.....	91%
6 Months	83%

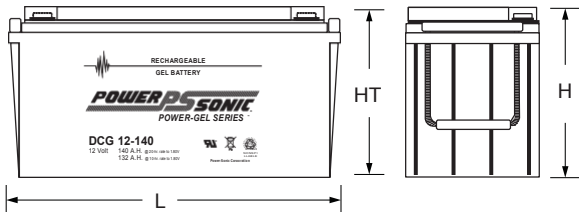
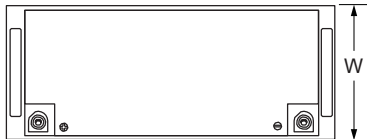
Operating Temperature Range

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

CaseABS Plastic (UL94 HB)

Recommended Power-Sonic Chargers n/a

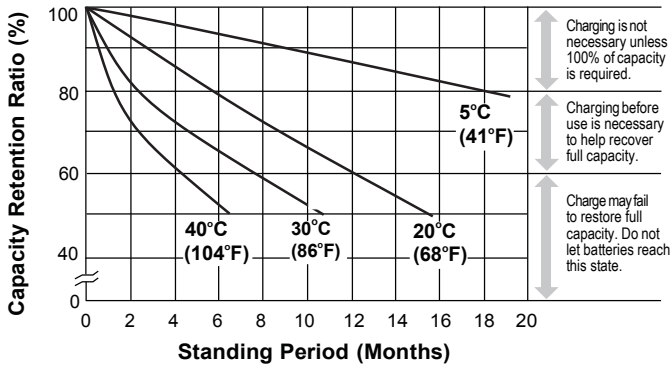
Physical Dimensions: in(mm)



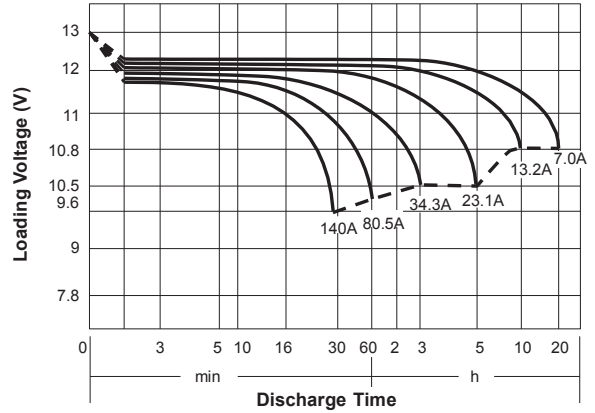
L: 19.02 (483) W: 6.69 (170) H: 9.39 (238.5) HT: 9.39 (238.5)

Tolerances are +/- 0.12 in. (+/- 3mm) for all dimensions.
 All data subject to change without notice.

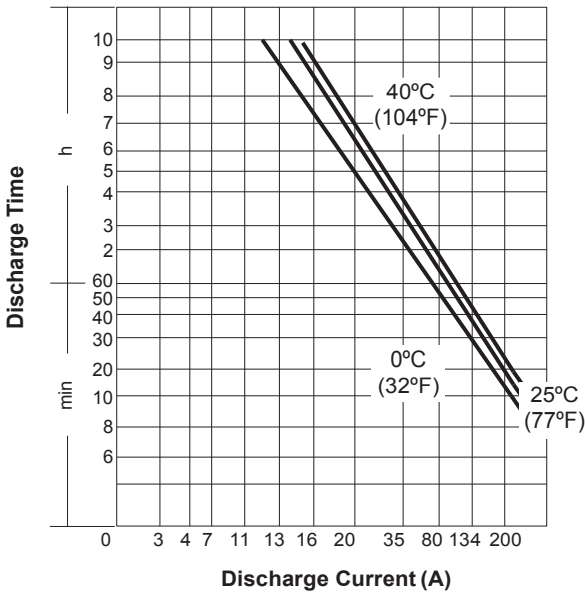
Shelf Life & Storage



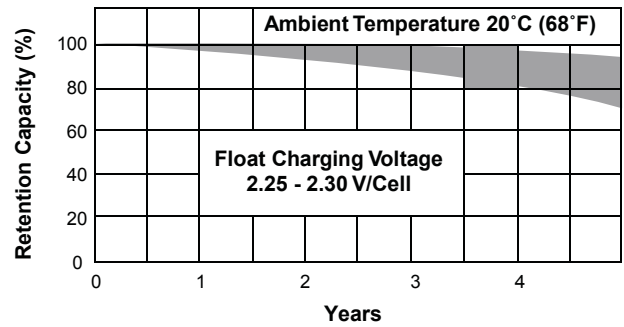
Discharge Characteristics



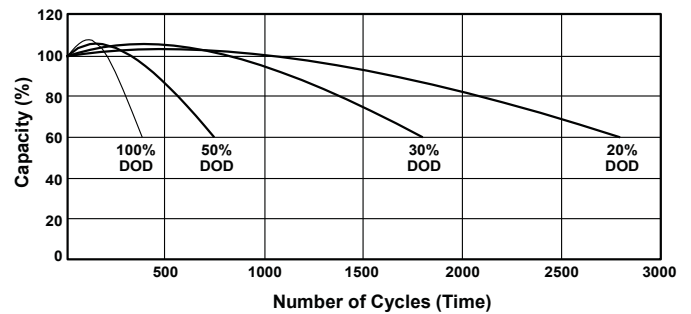
Discharge Time vs. Discharge Current



Life Characteristics in Stand-By Use



Life Characteristics in Cyclic Use



Charging

Cycle Applications: Limit initial current to less than 33.75A. Charge until battery voltage (under charge) reaches 14.40 to 15.00 volts at 77 °F (25 °C).

“Float” or “Stand-By” Service: Hold battery across constant voltage source of 13.50 to 13.80 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, 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

Power-Sonic offers a wide range of chargers suitable for batteries up to 100AH. Please refer to the Charger Selection Guide in our specification sheets for “C-Series Switch Mode Chargers” and “Transformer Type A and F Series”. Please contact our Technical department for advice if you have difficulty in locating suitable models.

Further Information

Please refer to our website www.power-sonic.com for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc..

