DCG12-26 12V 26.0 AH @ 20-hr.
12V 24.2 AH @ 10-hr.

DCG SERIES
TERMINALS: (mm)

T12: Threaded insert with 5mm stud fastener

12mm
M5
6mm

Torque: 2.0~3.0 Nxm

TERMINALS: (mm)

12mm
M5
6mm

Torque: 2.0~3.0 Nxm

FEATURES

• Thixotropic gel electrolyte for enhanced performance
• Valve regulated, maintenance free spill proof construction
• Specifically engineered for cyclic applications
• Power/volume ratio yielding excellent energy density
• Gas recombination technology
• Rugged vibration and impact resistant ABS case and cover (UL94-HB) Also available to UL94-V0

APPROVALS

• U.L recognized
• ISO9001:2015 – Quality management systems

PERFORMANCE SPECIFICATIONS

Nominal Voltage
12 volts (6 cells)

Nominal Capacity
20-hr. (1.30A to 10.50 volts)
10-hr. (2.42A to 10.50 volts)
5-hr. (4.16A to 10.50 volts)
3-hr. (5.00A to 10.50 volts)
1-hr. (14.3A to 9.00 volts)

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

Approximate Weight
19.6 lbs. (8.9 kg)

Internal Resistance (approx.)
13.5 milliohms

Shelf Life (% of nominal capacity at 68°F (20°C)
1 Month
97%
3 Month
91%
6 Month
83%

Operating Temperature Range
Charge
5°F (-15°C) to 122°F (50°C)
Discharge
-4°F (-20°C) to 140°F (60°C)

Case
ABS Plastic

Recommended Power Sonic Chargers
PSC-124000-PC
PSC-243500-PC

To ensure safe and efficient operation always refer to the latest edition of our Technical Manual, as published on our website.

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DCG SERIES

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CORPORATE HEADQUARTERS
(USA AND INTERNATIONAL EXCLUDING EMEA)
Power-Sonic Corporation
7550 Panasonic Way, San Diego, California 92154
T: +1 (619) 661 2020
F: +1 (619) 661 3650
E: customer-service@power-sonic.com

POWER-SONIC EUROPE LIMITED
(EMEA – EUROPE, MIDDLE EAST AND AFRICA)
3 Buckingham Square, Hurricane Way, Wickford, Essex SS11 BYQ
T: +44 (0)1268 560686
F: +44 (0)1268 560692
E: salesEMEA@power-sonic.com

www.power-sonic.com

DCG12-26 12V 26.0 AH @ 20-hr.
12V 24.2 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
DCG – Deep Cycle Gel Series

CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE

Acc. to IEC 896-2 (25°C/77°F)

CHARGING
Cycle Applications: Apply constant voltage charge at 2.35v/c – 2.45v/c (14.1 – 14.7v for 12v Monobloc) at 20°C. Initial charging current should be set at less than 0.25C Amps. Switch to float charge to avoid overcharging.

“Float” or “Stand-By” Service: Apply constant voltage charge of 2.25v/c – 2.30v/c (13.5 to 13.8 volts for 12v Monobloc at 20°C. When held at this voltage, the battery will seek its own current level and maintain itself in a fully charged condition.

Temperature Compensation: Charging Voltage for both Cyclic and Standby applications should be regulated in relation to ambient temperature. As temperature rises charging voltage should be reduced to prevent overcharge and increased as temperature falls to avoid undercharge.

For further charging information including temperature compensation factors, see Power Sonic Technical Manual/Power Sonic Charger specifications.

APPLICATIONS
A whole range of CYCLIC applications including but not limited to:
• Medical  • Solar  • Wind  • Mobility  • Golf Carts

CHARGERS
Power Sonic offers a wide range of chargers suitable for batteries with a variety of capacities.

Please refer to our website for more information on our switch mode and transformer type chargers.

Please contact our technical department for advice if you have difficulty in locating a suitable charger.

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.