



Solar

Wind

Mobility

Golf Carts

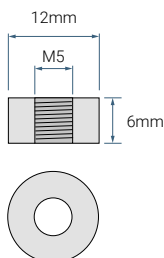


DCG12-26 FR 12V 24.4 AH @ 20-hr. 12V 22.3 AH @ 10-hr.

Rechargeable Sealed Lead Acid Battery
DCG Series – Deep Cycle Gel

TERMINALS: (mm)

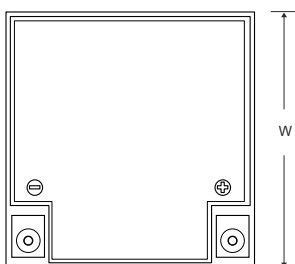
T12: Threaded insert with
5mm stud fastener



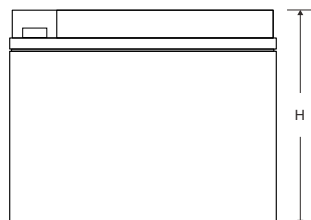
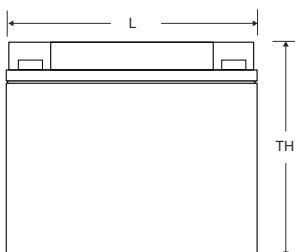
Torque: 2.0~3.0 Nxm

T12 Stocked in EU (Contact us for other terminal types)

DIMENSIONS: inch (mm)



L: 6.54 (166)
W: 6.89 (175)
H: 4.92 (125)
TH: 4.92 (125)
Tolerances are +/- 0.04 in.
(+/- 1mm) and +/- 0.08 in.
(+/- 2mm) for height
dimensions. All data subject
to change without notice.



FEATURES

- Thixotropic gel electrolyte technology for superior performance
- Valve regulated, maintenance-free spill proof construction
- Power/volume ratio yielding excellent energy density
- Superb deep cycle performance and longevity in deep discharge conditions
- Rugged vibration and impact resistant ABS case and cover (UL 94 V-0)

APPROVALS

- Approved for transport by air. D.O.T., I.A.T.A., F.A.A. and C.A.B. certified
- UL 1989 Standard for Standby Batteries
- ISO9001:2015–Quality Management Systems
- IEC 60896-21/22 Stationary Lead-Acid Batteries
- EU 2023/1542 Compliant: European Battery Regulation

PERFORMANCE SPECIFICATIONS

Nominal Voltage	12 volts (6 cells)	
Nominal Capacity		
20-hr. (1.22A to 10.50 volts)		24.40 AH
10-hr. (2.23A to 10.50 volts)		22.30 AH
5-hr. (4.17A to 9.60 volts)		20.85 AH
1-hr. (14.0A to 9.60 volts)		14.00 AH
Approximate Weight	18.74 lbs. (8.5 kg)	
Internal Resistance (approx.)	20 milliohms	
Shelf Life (% of nominal capacity at 68°F (20°C))		
1 Month		97%
3 Month		91%
6 Month		83%
Operating Temperature Range		
Charge	-4°F (-20°C) to 104°F (40°C)	
Discharge	-5°F (-15°C) to 122°F (50°C)	
Case	ABS Plastic Rated to UL 94 V-0	
Recommended Power Sonic Chargers	PSC-122000ACX	

GLOBAL HEADQUARTERS (USA AND INTERNATIONAL EXCLUDING EMEA)

The Power-Sonic Corporation
365 Cabela Dr Suite 300,
Reno, Nevada 89523
USA
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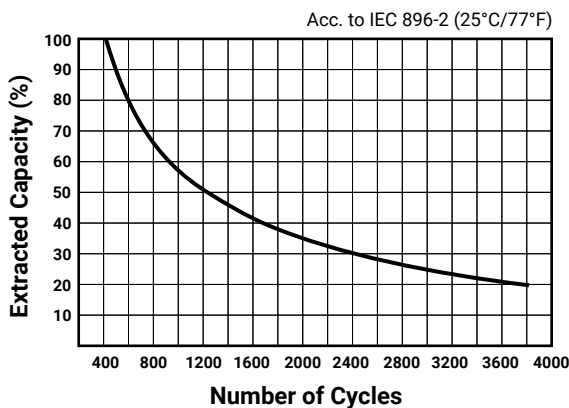
POWER-SONIC EMEA (EMEA – EUROPE, MIDDLE EAST AND AFRICA)

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Rechargeable Sealed Lead Acid Battery
DCG Series – Deep Cycle Gel

CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



CHARGING

Cycle Applications: Apply constant voltage charge at 2.35VPC to 2.45VPC (14.1 to 14.7 volts for 12V Monobloc) at 20°C. The initial charging current should be set at less than C/5 Amps. Switch to float charge when the current falls to a 3% capacity rate to avoid overcharging.

Stand-By or "Float" Service: Apply constant voltage charge of 2.25VPC to 2.30VPC (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 stand-by applications should be regulated in relation to ambient temperature. As temperature rises, charging voltage should be reduced to prevent overcharge and increased as the temperature falls to avoid undercharge.

For further charging information, including temperature compensation factors, see the Power-Sonic Technical Manual.

APPLICATIONS

A whole range of CYCLIC applications including but not limited to:

- Solar
- Wind
- Mobility
- Golf Carts

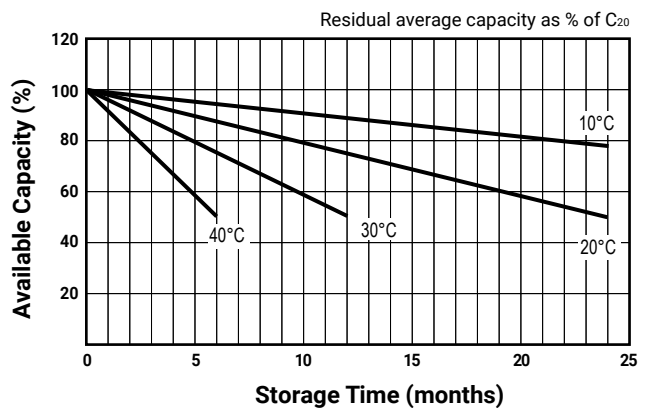
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GENERAL RELATION OF CAPACITY VS. STORAGE TIME



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 for a complete range of useful downloads, such as product catalogs, material safety data sheets (MSDS), ISO certification, etc.

