

SEALED DEEP CYCLE battery

POWER
Power for a World of Applications

AG-GC2

ADVANCED GEL TECHNOLOGY
VRLA NON-SPILLABLE DESIGN
SUPERIOR DISCHARGE PROFILE

The **Advanced Gel Technology Deep Cycle batteries** are designed and manufactured to handle every aspect of the demanding applications of today. This series is built to withstand the wide range of environments, storage, extreme operating conditions and charge/discharge cycles that any Solar, Marine, EV and many other deep cycle applications require.



SPECIFICATIONS

Cells per unit	3
Nominal voltage	6
Terminal Type	Marine
Capacity @ 77°F (25°C) to 1.75 v.p.c.	225 AH (20 Hours) 255 AH (100 Hours)
kWh to 1.75 v.p.c.	1.308 (20 hrs) 1.553 (100 hrs)
Short circuit current	6273 amps
Impedance @ 77°F 25°C	1.1 milliohms
Electrolyte (S.G.)	1.300
CCA @ 0°F	700
CA (MCA) @ 32°F	1175
Reserve Capacity	415 min. @ 25 amps 115 min. @ 75 amps
Ideal operating temperature range	68°F (20°C) to 77°F (25°C)
Extended operating temperature range	Discharge: -4°F to +140°F Charge: -60°F to +160°F
Float Voltage	2.25 to 2.3 Volts Per Cell
Cycle Service Voltage	2.33 to 2.36 Volts Per Cell
Max charging rate	Cycle - 43 amps Float - 36 amps
Discharge Rate to 1.75 Volts Per Cell	3 hours - 55.5 5 hours - 36 10 hours - 19.9
Storage	12 months 0°F - 32°F 9 months 33°F - 65°F 6 months 66°F - 90°F 3 months 91°F - 105°F 1 month 106°F - 120°F
Weight lbs	73.5
Length x Width x Height case	10.27" x 7.1" x 10.9"

FEATURES

- A true Green battery - manufactured in Power Battery's North American facility that is fed by 97% Hydro-Electricity.
- Advanced Gel Technology, provides deep cycle capability and better recharge profile throughout the life of the battery.
- Gas recombination greater than 99%.
- Sealed Non-spillable construction. Needs no water additions and will not allow electrolyte spills.
- Shock absorbent polypropylene plastic. Resistant to extreme temperatures and vibration.
- Operates at a low internal pressure.
- Thermally welded case to cover bond, eliminates the risk of acid and electrical leaks.
- Oversized internal components insures minimal voltage drop and more power availability.
- Each cell has a low pressure safety release venting system to prevent explosions, recognized per U.L. 924.
- Industrial grade battery plates.
- Energy Guard puncture proof separator.
- Measured high vacuum acid fill, reduces electrical variability between cells.
- Can be used in any position, except upside down.
- Lifting handle brackets standard, handle is optional.
- 100% recyclable materials.

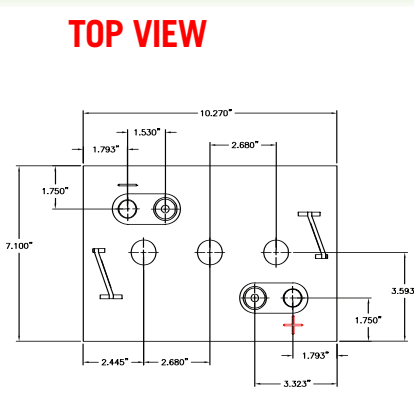


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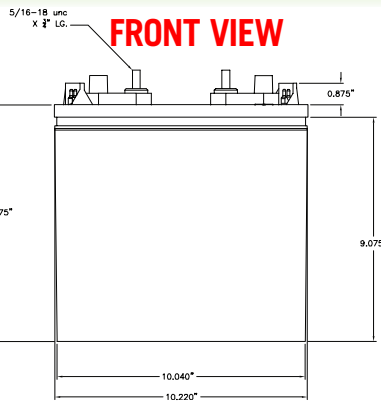
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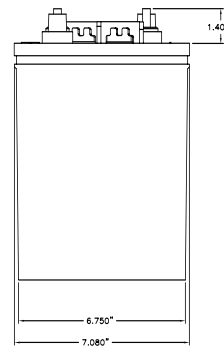
TOP VIEW



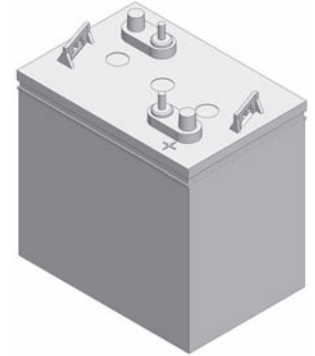
FRONT VIEW



SIDE VIEW



ISOMETRIC VIEW



CONSTANT CURRENT RATINGS, AMPERES @ 77°F (25°C) IN HOURS

Final V.P.C.	1	2	3	4	5	6	8	10	12	24
1.75	132	76.5	55.5	43.6	36.0	30.8	24.1	19.9	17.0	9.40
1.80	126	73.9	53.4	41.8	34.5	29.6	23.1	19.1	16.3	8.90
1.85	118	70.3	50.8	39.9	33.0	28.3	22.2	18.2	15.5	8.40
1.90	105	64.7	46.9	37.3	31.1	26.8	21.1	17.3	14.8	8.00

CYCLE LIFE vs. DEPTH OF DISCHARGE

15% DOD	3000 cycles
25% DOD	2000 cycles
50% DOD	1100 cycles
80% DOD	600 cycles

NO TRANSPORT RESTRICTIONS

- Surface transport. Classified as non-hazardous material as relates to DOT-CFR Title 49 part 171-189.
- Maritime transport. Classified as non-hazardous material as per IMDG amendment 27.
- Air transport. Complies with IATA/ICAO, special provision A67.

SCR CHARGER SERIES

CHARGER FEATURES

- Microprocessor based control
- Simple operation
- Auto Start/Stop
- LED charger status indicators
- Electronic backup timer
- SCR output control
- Lightning/surge protection
- Reverse polarity protection
- AC input circuit breaker
- Current limited design
- Battery type select
- UL/CUL (CE option)
- Dual AC input (export option)
- 50/60 HZ (export option)

Model	Output DC Voltage	Output Amps	Batt. Capacity @20hr Rate	Dimensions	Weight (lbs)
SCR121017	12	10	120	8.4x10.6x10.6	14
SCR122017	12	20	235	8.4x10.6x10.7	22
SCR123017	12	30	350	9.4x14.5x12.4	32
SCR241017	24	10	120	8.4x10.6x10.7	16
SCR242017	24	20	235	8.4x10.6x10.7	23
SCR242517	24	25	300	8.4x10.6x10.7	25
SCR243017	24	30	350	9.4x14.5x12.4	36
SCR361517	36	15	175	8.4x10.6x10.7	21
SCR361717	36	17	200	8.4x10.6x10.7	24
SCR362017	36	20	235	8.4x10.6x10.7	28
SCR363017	36	30	350	9.4x14.5x12.4	40
SCR481017	48	17	120	8.4x10.6x10.7	29
SCR481717	48	17	200	9.4x14.5x12.4	35



Power Battery offers an extensive matching charger line for any Floor Scrubber, Golf Cart, Aerial Lift and many other applications.

*For UL/CUL Chargers must be shipped with DC plugs, specify when ordering
**All chargers are 120VAC input voltage



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