

PE-GC12V

12 Volt · Deep Cycle · Flooded Lead Acid · BCI Group GC12



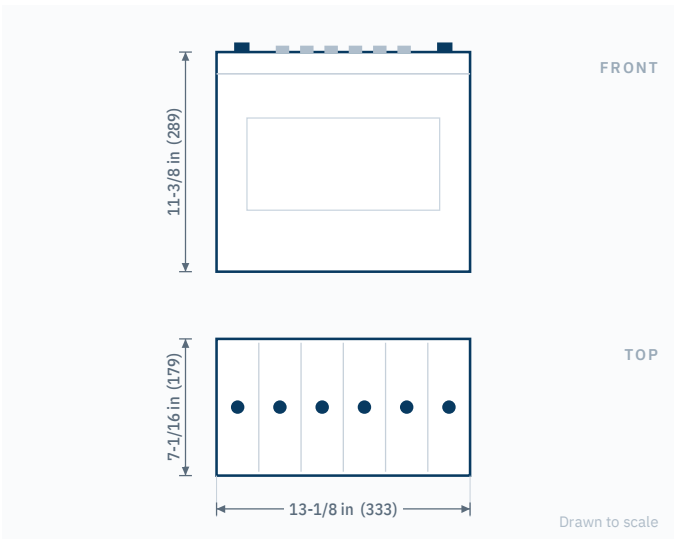
CAPACITY 20-HR	NOMINAL VOLTAGE	RESERVE @ 25 A	WEIGHT, WET	TERMINAL
155 Ah	12 V	292 min	86 lb	UTL

PRODUCT



DIMENSIONS

inches (mm)



DISCHARGE CAPACITY

amp-hours at 80 °F (26.7 °C)

DISCHARGE RATE	1 HR	2 HR	5 HR	6 HR	10 HR	20 HR	48 HR	72 HR	100 HR
Amp-hours	92	104	122	126	138	155	164	169	172

RESERVE CAPACITY

minutes of discharge at constant current

DISCHARGE CURRENT	75 A	56 A	25 A
Minutes to cut-off	77	110	292

CONSTRUCTION

BCI group size	GC12
Type	Flooded lead acid (FLA), non-sealed
Case material	Polypropylene, heat sealed
Terminal type	UTL
Length	13-1/8 in (333 mm)
Width	7-1/16 in (179 mm)
Height	11-3/8 in (289 mm)
Weight, wet	86 lb (39 kg)
Specific gravity at full charge	1.270 minimum
Vent cap	Standard, bayonet optional

CHARGE PROFILE

6 cells

STAGE	SETPPOINT	CURRENT	DURATION
Bulk	14.70 ± 0.30 V	15.5 A	to setpoint
Absorption	14.70 V	taper to 4.6 A	2–3 hr
Float, optional	13.02 V	—	unlimited
Equalize	15.30 ± 0.30 V	—	1–3 hr / 30 days
Charge time from full discharge			9–12 hr
Termination	time (2–4 hr) or dV/dt 4 mV/cell/hr		
Temperature correction	–0.168 V per 10 °F above 80 °F		

TYPICAL APPLICATIONS

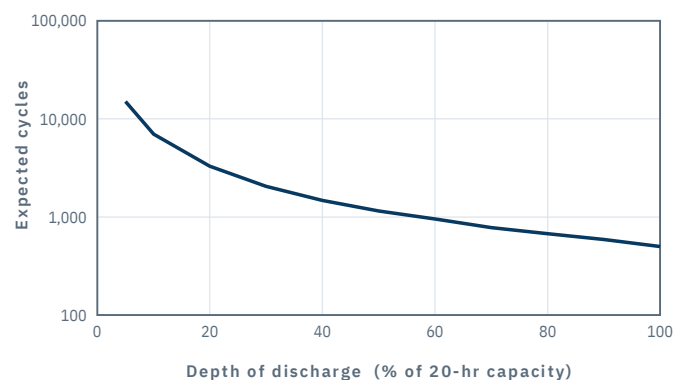
Golf cars	Floor care	Aerial work platforms	Renewable energy storage	Utility vehicles and RV
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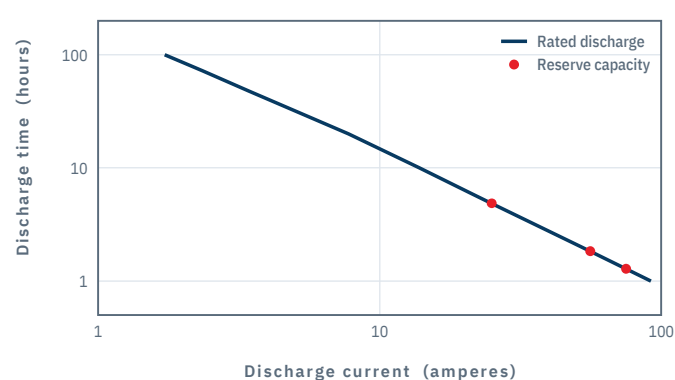
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CYCLE LIFE VS DEPTH OF DISCHARGE



DISCHARGE TIME VS CURRENT



TERMINAL TORQUE AND CONNECTION HARDWARE

shaded row applies to this model

TERMINAL TYPE	TORQUE (IN-LB)	TORQUE (FT-LB)	CONNECTION HARDWARE	NOTE
UTL	95-105	7.9-8.8	SS hexnut with lock washer	1
UT	95-105	7.9-8.8	SS hexnut with lock washer	1
Flat Block	95-105	7.9-8.8	SS hexnut with lock washer	1
Dual	95-105	7.9-8.8	SS hexnut with lock washer	1, 6
DC Marine	95-105	7.9-8.8	SS hexnut with lock washer	2
Offset "S"	100-120	8.3-10	Zn or SS bolt, hexnut, lock washer	3
Flag	100-120	8.3-10	Zn or SS bolt, hexnut, lock washer	4
Large "L"	100-120	8.3-10	Zn or SS bolt, hexnut, lock washer	4
Small "L"	100-120	8.3-10	Zn or SS bolt, hexnut, lock washer	4
Bus Lug	120-180	10-15	SS hexnut with lock washer	5
SAE	50-70	4.2-5.8	No hardware supplied	6

- 1 Stainless steel hexnut with SS split-ring lock washer (5/16" positive and negative)
- 2 Stainless steel hexnut with SS split-ring lock washer (3/8" positive, 5/16" negative)
- 3 Square-head SS or zinc-plated bolt with SS or zinc-plated hexnut and split-ring lock washer
- 4 Square- or hex-head SS or zinc-plated bolt with SS or zinc-plated hexnut and split-ring lock washer
- 5 Stainless steel hexnut with SS split-ring lock washer (1/2" positive, or 3/8" positive and negative)
- 6 No hardware supplied. Application uses SAE clamp for positive and negative tapered post

Position the lock washer between the nut and the connector, never between the connector and the lead terminal, and apply the recommended torque or enough torque to fully compress the lock washer without deforming the lead terminal. Flanged nuts and other hardware with captive washers are not recommended and their use may void the battery warranty.

PURE ENERGY DEEP CYCLE RANGE

shaded row applies to this model

MODEL	BCI GROUP	VOLTAGE	CAPACITY 20-HR	RESERVE @ 25 A	L x W x H (IN)	WEIGHT	TERMINAL
PE-GC6V	GC2	6 V	232 Ah	474 min	10-1/4 x 7-1/8 x 11-1/4	62 lb	Molded-In UTL
PE-GC8V	GC8	8 V	170 Ah	325 min	10-1/4 x 7-1/8 x 11-1/4	62 lb	Molded-In UTL
PE-GC12V	GC12	12 V	155 Ah	292 min	13-1/8 x 7-1/16 x 11-3/8	86 lb	UTL
PE-305	902	6 V	290 Ah	660 min	11-7/8 x 7-1/8 x 14-5/8	86 lb	Offset "S"
PE-L16	903	6 V	360 Ah	795 min	11-7/8 x 7-1/8 x 16-3/4	104 lb	Offset "S"

OPERATING TEMPERATURE

Charging range	0 to 120 °F (-18 to 49 °C)
Discharging range	-20 to 120 °F (-29 to 49 °C)
Below 32 °F (0 °C)	Recharge at once to avoid freezing
Above 120 °F (49 °C)	Allow to cool before recharging
Voltage correction	-0.168 V per 10 °F above 80 °F

SERVICE AND EQUALIZATION

Equalization interval	Every 30 days in active service
Manually timed chargers	Extend charge time about 3 hr
Automatic chargers	Unplug and reconnect after a charge
Absorption hold	About 3 hr at 14.70 V
Float duration	Unlimited at 13.02 V

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