



Specifications

GEL Battery 12 V – 145 Ah

05-02-2025

ARTICLE NUMBER

40290071

GEL Battery 12 V - 145 Ah

TECHNICAL SPECIFICATIONS

Length x width x height

340 x 173 x 280 mm (13.4" x 6.8" x 11" inch)

Weight +/- 10%

44.0 kg (97 lb.)

Nominal capacity (C20)

145 Ah

Nominal voltage

12.0 VDC

Terminal type

M8 stainless steel

Number of cells

6

CHARGE / DISCHARGE PARAMETERS

Constant voltage Charging (IU, float)

13.60 to 13.80 VDC @ 25C

Cyclic Charging (IUU, absorption)

14.25 to 14.60 VDC @ 25 C

Recommended charging current limit (higher possible)

29.0 A

Temperature cut-off ratio

4mv/cell/°C

Discharge cut off voltage 100% depth of discharge d.o.d.

1.75 VDC @ (A) <= 0.2 C 1.70 VDC @ 0.2 C (A) <= 1.0 C 1.65 VDC @ (A) >= 1.0 C

RATED CAPACITY @ 25°C

Rated Capacity @ 25°C

rate to 1.75 VDC per cel

20 hrs discharge

145.0 Ah

10 hrs discharge

136.0 Ah

5 hrs discharge

117.0 Ah

Peukert Coefficient

1.21<P<1.24

Time reserve minutes 25 amps discharge

261 minutes

Self discharge

Less than 3% per month @ 25°C

Storage time

GEL-power batteries can be stored for maximum 6 months at 25°C, Charging recommended before using.

BATTERY PARAMETERS

Cranking amps @ 25°C (5 sec)

1450 A

Cycle life at 80% of D.O.D

600

Internal resistance Approx.

5.0 m?