



Specifications

GEL Battery 12 V – 100 Ah

12-12-2024

ARTICLE NUMBER

40290070

GEL Battery 12 V - 100 Ah

TECHNICAL SPECIFICATIONS

Length x width x height	328 x 172 x 222 mm (12.9" x 6.8" x 8.7" inch)
Weight +/- 10%	30.0 kg (66.1 lb.)
Nominal capacity (C20)	100 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)	20.0 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 cell
20 hrs discharge	100.0 Ah
10 hrs discharge	95.0 Ah
5 hrs discharge	84.0 Ah
Peukert Coefficient	1.21<P<1.24
Time reserve minutes 25 amps discharge	165 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)	1000 A
Cycle life at 80% of D.O.D	600
Internal resistance Approx.	7.5 m?