



# Specifications

## GEL Battery 12 V – 180 Ah

12-12-2024

### ARTICLE NUMBER

40290072

GEL Battery 12 V - 180 Ah

### TECHNICAL SPECIFICATIONS

Length x width x height	530 x 209 x 214 mm (20.9" x 8,2" x 8,4" inch)
Weight +/- 10%	53.0 kg (116.9 lb)
Nominal capacity (C20)	180 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)	36.0 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 1.80 VDC per cell
20 hrs discharge	180.0 Ah
10 hrs discharge	169.0 Ah
5 hrs discharge	146.0 Ah
Peukert Coefficient	1.21<P<1.24
Time reserve minutes 25 amps discharge	341 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)	1800 A
Cycle life at 80% of D.O.D	600
Internal resistance Approx.	6.0 m?