

# DEEP CYCLE 24VM90

25.6V / 90AH / 2304WH



# PRO-GUIDE®

## UNIT SPECIFICATIONS

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| Nominal Voltage               | 25.6V                                           |
| Nominal Capacity              | 90Ah                                            |
| Stored Energy                 | 2304Wh                                          |
| Protection Level              | IP67                                            |
| Standard Discharge Current    | 18A                                             |
| Continuous Discharge Current  | 90A                                             |
| Discharge Cut off Voltage     | 20V                                             |
| Charge Cut off Voltage        | 28.8V                                           |
| Standard Charge Current       | 10-18A                                          |
| Max Continuous Charge Current | 45A                                             |
| Self Discharge                | 1-3% Per Month                                  |
| Cycle Life                    | >3000 times @ 100% DOD<br>>6000 times @ 80% DOD |

## TEMPERATURE SPECIFICATIONS

|                         |                     |
|-------------------------|---------------------|
| Operating Temperature   |                     |
| Charging Temperature    | -4F-131F (-20C-55C) |
| Discharging Temperature | -4F-140F (-20C-60C) |
| Storage Temperature     |                     |
| 3 Months                | 23F-113F (-5C-45C)  |
| 1 Year                  | 23F-113F (-5C-45C)  |

## SLEEP SPECIFICATIONS

|             |                                                                             |
|-------------|-----------------------------------------------------------------------------|
| Sleep Timer | Will not enter sleep mode until it reaches 10-20% or is turned off manually |
| Heating     | Enabled                                                                     |
| Bluetooth   | Enabled                                                                     |
| NMEA 2000   | Compatible                                                                  |

The PGL24VM90 from Pro-Guide Batteries delivers deep-cycle reliability with 90 amp-hours at 24 volts, totaling 2304 watt-hours. This rugged battery features IP67 water and dust resistance, Bluetooth connectivity for monitoring, and a 100-amp BMS. Pro-Boost mode provides a 10% capacity reserve, making it ideal for marine, RV, and off-grid deep-cycle applications.

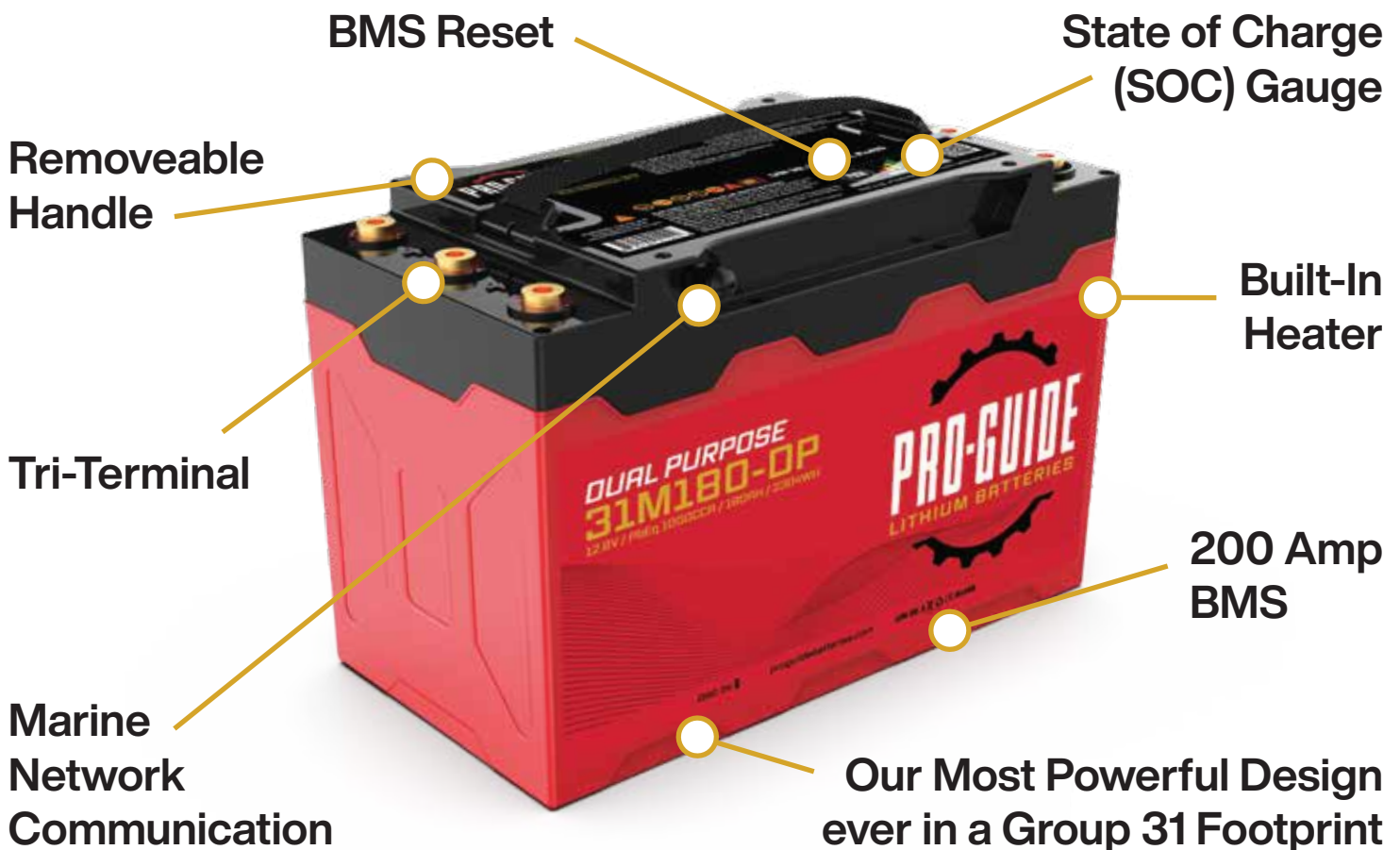
## MEASUREMENTS

Weight 41.89 lbs



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## PRO-GUIDE LITHIUM BATTERY SPECIFICATIONS



| PRO-GUIDE<br>Part #            | Industry<br>Group Size | Nom<br>V | AH  | Rated<br>WH | PbEq<br>CCA | Charge Amp |       | Terminal Type         | Gross Wt |       | Dimension (mm) |     |     | Dimension (in) |      |       |
|--------------------------------|------------------------|----------|-----|-------------|-------------|------------|-------|-----------------------|----------|-------|----------------|-----|-----|----------------|------|-------|
|                                |                        |          |     |             |             | STD        | MAX   |                       | kg       | lb    | L              | W   | H   | L              | W    | H     |
| PRO-GUIDE LITHIUM DUAL PURPOSE |                        |          |     |             |             |            |       |                       |          |       |                |     |     |                |      |       |
| 31M180-DP                      | Group 31               | 12.8     | 180 | 2304        | 1000        | 10         | 90    | 3 Internal Tread (M8) | 19       | 41.89 | 332            | 176 | 226 | 13.07          | 6.93 | 8.9   |
| 31M235-DP                      | Group 31 Tall          | 12.8     | 235 | 3008        | 1000        | 10         | 117.5 | 3 Internal Tread (M8) | 24       | 52.91 | 332            | 176 | 275 | 13.07          | 6.93 | 10.83 |
| PRO-GUIDE LITHIUM DEEP CYCLE   |                        |          |     |             |             |            |       |                       |          |       |                |     |     |                |      |       |
| 16VM160                        | Group 31 Tall          | 16       | 160 | 2560        | N/A         | 10         | 80    | 3 Internal Tread (M8) | 20       | 44.09 | 332            | 176 | 275 | 13.07          | 6.93 | 10.83 |
| 24VM90                         | Group 31               | 25.6     | 90  | 2304        | N/A         | 10         | 45    | 3 Internal Tread (M8) | 19       | 41.89 | 332            | 176 | 226 | 13.07          | 6.93 | 8.9   |
| 24VM115                        | Group 31 Tall          | 25.6     | 115 | 2944        | N/A         | 10         | 57.5  | 3 Internal Tread (M8) | 24       | 52.91 | 332            | 176 | 275 | 13.07          | 6.93 | 10.83 |
| 36VM60                         | Group 31               | 38.4     | 60  | 2304        | N/A         | 10         | 30    | 3 Internal Tread (M8) | 20       | 44.09 | 332            | 176 | 226 | 13.07          | 6.93 | 8.9   |
| 36VM75                         | Group 31 Tall          | 38.4     | 75  | 2880        | N/A         | 10         | 37.5  | 3 Internal Tread (M8) | 23       | 50.71 | 332            | 176 | 275 | 13.07          | 6.93 | 10.83 |