# VRLA GEL DEEP CYCLE BATTERY

# S12-90GEL







| | | | |
|---|---|---|---|
| Series | VRLA GEL | Warranty | See Warranty Terms |
| Volts | 12 | Design | Grp 27 |
| Cells | 6 | | |
| Terminal Type | F12(M8) | | |
| Included Hardware | M8 stainless bolts & washers & TP08 adapter | | |
| Size & Thread | M8 | | |

## Charge | Discharge

| | |
|---|---|
| Charge Voltage Range | 14.3V @ 25°C (77°F) |
| Float Voltage Range | 13.7V @ 25°C (77°F) |
| Recommended Charge Current | 20 A |
| Maximum Charge Current | 35 A |
| Self-Discharge Rate | Less than 2% per month at 25°C (77°F) |
| Internal Resistance | 4 mΩ |

## Capacity

| | |
|---|---|
| Cold Crank Amps (CCA) 0°F / -18°C | 680 |
| Marine Crank Amps (MCA) 32°F / 0°C | 900 |
| Reserve Capacity (RC @ 25A) | 180 Minutes |
| Reserve Capacity (RC @ 75A) | 43 Minutes |

| Capacity Affect by Temperature | 40°C (104°F) | 25°C (77°F) | 0°C (32°F) | -15°C (5°F) |
|---|---|---|---|---|
| | 102% | 100% | 85% | 65% |

| Hour Rate | Capacity / AMP Hour | Current / AMPs |
|---|---|---|
| @ 100 Hour Rate | **96 AH** | **.96 A** |
| @ 20 Hour Rate | **90 AH** | **4.5 A** |
| @ 10 Hour Rate | **79 AH** | **7.9 A** |
| @ 5 Hour Rate | **70 AH** | **14 A** |

| Cut Off Voltage | Constant Current Discharge | | | | | |
|---|---|---|---|---|---|---|
| | 1 hr | 2 hr | 3 hr | 5 hr | 8 hr | 10 hr |
| 1.75 VPC | 55.5 | 32.9 | 25.8 | 17.5 | 12.2 | 10.1 |

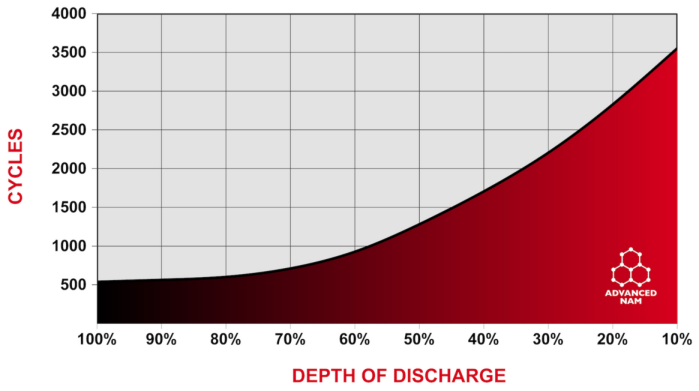
## Specifications

| | | |
|---|---|---|
| Weight | 27 kg | 59.5 lbs |
| Length | 307 mm | 12.09" |
| Width | 169 mm | 6.65" |
| Height Incl. Term. | 215 mm | 8.46" |

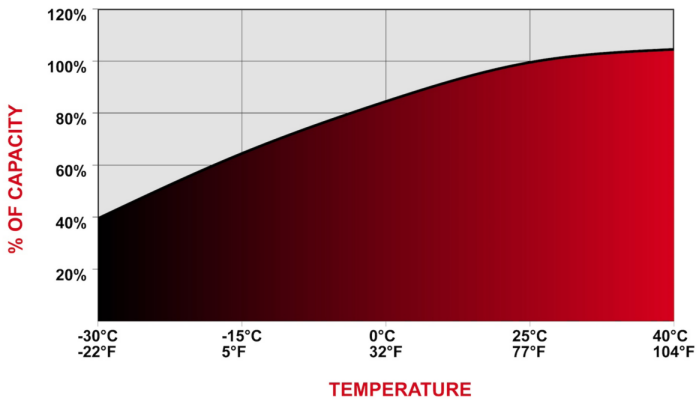
Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

| | |
|---|---|
| Container | ABS |
| Cover | ABS |
| Handles | Rope / Plastic Handle |

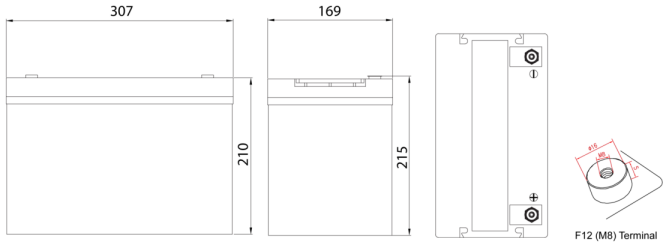
## Cycle Life vs. Depth of Discharge




## Capacity vs. Temperature




## Detailed Illustration



Designed in compliance with applicable BCI, DIN, BS & IEC standards.
Tested in compliance to BCI & IEC standards.

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