# AGM VRLA DEEP CYCLE BATTERY

# S12-180AGM-RE







ADVANCED NAM

| | | | |
|---|---|---|---|
| Series | VRLA AGM-S | Warranty | See Warranty Terms |
| Volts | 12 | Design | SPEC |
| Cells | 6 | | |
| Terminal Type | | M8 | |
| Included Hardware | | M8 stainless bolts & washers | |
| Size & Thread | | M8 | |

## Charge | Discharge

| | |
|---|---|
| Charge Voltage Range | 14.7V @ 25°C (77°F) |
| Float Voltage Range | 13.8V @ 25°C (77°F) |
| Recommended Charge Current | 35 A |
| Maximum Charge Current | 45 A |
| Self-Discharge Rate | Less than 2% per month at 25°C (77°F) |
| Internal Resistance | 4.4 mΩ |

## Capacity

| | |
|---|---|
| Cold Crank Amps (CCA) 0°F / -18°C | 715 |

| 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 | **180 AH** | **1.8 A** |
| @ 20 Hour Rate | **163 AH** | **8.15 A** |
| @ 10 Hour Rate | **154 AH** | **15.4 A** |
| @ 5 Hour Rate | **138 AH** | **27.6 A** |

| Cut Off Voltage | Constant Current Discharge | | | | | |
|---|---|---|---|---|---|---|
| | 1 hr | 2 hr | 3 hr | 5 hr | 8 hr | 10 hr |
| 1.75 VPC | 82.5 | 49.1 | 38.7 | 26.2 | 17.9 | 14.4 |

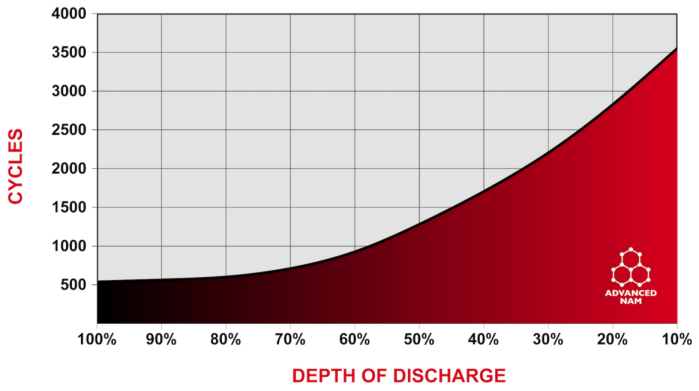
## Specifications

| | | |
|---|---|---|
| Weight | 44.5 kg | 98 lbs |
| Length | 483 mm | 19.01" |
| Width | 170 mm | 6.69" |
| Height Incl. Term. | 241 mm | 9.49" |

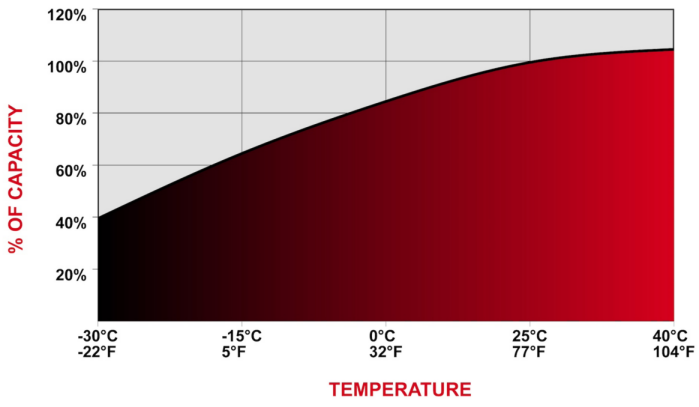
Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

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

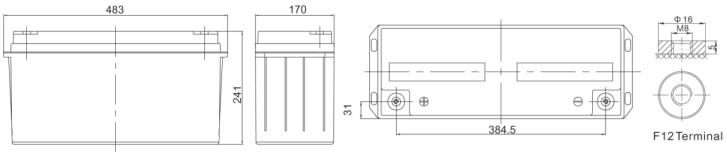
## Cycle Life vs. Depth of Discharge




## Capacity vs. Temperature




## Detailed Illustration




BATTERY COUNCIL INTERNATIONAL

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

ISO 45001 CERTIFIED · ISO 14001 CERTIFIED · ISO 9001 CERTIFIED

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