



MAXON MARINE XTREME BATTERIES

Maxon's Marine Xtreme AGM Carbon series is an ultra-high performance battery that provides superior integrity and reliability. The fully sealed Marine range is specially designed for the marine dual-purpose application. Excellent when deep cycling is required, along with exceptional starting capabilities. The superior built design use heavy-duty EV plates with a full grid alloy carbon paste formula, advanced AGM separators and high temperature curing technology. High-quality plate design makes them also ideal for any deep cycle or 4WD dual purpose applications.

FEATURES

- ✓ High performance dual purpose battery
- ✓ High vibration resistant
- ✓ Fully sealed and maintenance free operation
- ✓ Safety valve installation for explosion proof
- ✓ Thick plate design with AGM separators
- ✓ AGM carbon technology

APPLICATIONS

- ✓ Marine deep cycle
- ✓ Marine starting
- ✓ Trolling motors
- ✓ 4WD dual purpose
- ✓ Solar
- ✓ Camping & caravan



COMPLIED STANDARDS

| | |
|-----|----------|
| CE | ISO9001 |
| IEC | ISO14001 |
| UL | ISO45001 |

MAXON MARINE XTREME SPECIFICATIONS

| Model | Voltage | Rated Capacity @ 25°(Ah) | | | | | | Dimensions (mm) | | | | Terminal Type | Weight Kg | Internal Resistance Full Charge @25° | |
|-------------------------|---------|--------------------------|---------------------|---------------------|---------------------|---------------------|-----|-----------------|-------|--------|-----------------|---------------|-----------|--------------------------------------|---------|
| | | C100 1.8Vpc@ 25°C | C20 1.8Vpc@ 25°C | C10 1.8Vpc@ 25°C | C5 1.75Vpc@ 25°C | C3 1.75Vpc@ 25°C | CCA | Length | Width | Height | Terminal Height | | | | |
| Marine Batteries | | | | | | | | | | | | | | | |
| NS70M AGM | 12 | n/a | 82Ah | 75Ah | 67Ah | 60Ah | 610 | 260 | 168 | 211 | 216 | M6 | + - | 25.0 | ≈5.50mΩ |
| N70ZZM AGM | 12 | n/a | 99Ah | 94Ah | 81Ah | 72Ah | 700 | 307 | 176 | 211 | 216 | M8 | + - | 30.5 | ≈4.50mΩ |
| 86M AGM | 12 | n/a | 130Ah | 120Ah | 103Ah | 92Ah | 910 | 331 | 176 | 215 | 220 | M8 | + - | 32.5 | ≈3.80mΩ |

| | | |
|---|------------|------|
| Design Floating Life @ 25° | 10 Years | |
| Ambient Temperature: Discharge / Charge / Storage | -20° - 55° | |
| Capacity Affected by Temperature C10 Rating | 40°C | 103% |
| | 25°C | 100% |
| | 0°C | 86% |
| | -15°C | 67% |
| Self Discharge @ 25° per Month | 3% | |

| | |
|-------------------------|---------------------------|
| Charging Constant @ 25% | |
| Standby Charge Voltage | 13.6V - 13.8V |
| Standby Charge Current | C0.1 - C0.25 of Ah Rating |
| Cycle Charge Voltage | 14.4V - 14.9V |
| Cycle Charge Current | C0.1 - C0.25 of Ah Rating |

BATTERY DISCHARGE TABLE

| AGM | | Discharge Constant Current per Cell (Amperes at 25°C) | | | | |
|-----------|----------|---|-------|-------|------|------|
| NS70M AGM | F.V/Time | 1h | 3h | 5h | 10h | 20h |
| | 10.2 | 48.89 | 21.10 | 14.10 | 8.19 | 4.21 |
| | 10.5 | 47.13 | 20.03 | 13.47 | 7.85 | 4.16 |
| | 10.8 | 45.07 | 18.92 | 12.85 | 7.50 | 4.10 |

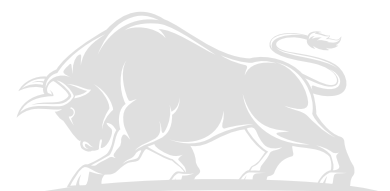
| N70ZZM AGM | F.V/Time | 1h | 3h | 5h | 10h | 20h |
|------------|----------|-------|-------|-------|------|------|
| | 10.2 | 58.78 | 25.32 | 16.93 | 9.83 | 5.05 |
| | 10.5 | 56.55 | 24.03 | 16.17 | 9.42 | 4.99 |
| | 10.8 | 54.08 | 22.70 | 15.42 | 9.30 | 4.95 |

| 86M AGM | F.V/Time | 1h | 3h | 5h | 10h | 20h |
|---------|----------|-------|-------|-------|-------|------|
| | 10.2 | 75.10 | 32.35 | 21.63 | 12.25 | 6.58 |
| | 10.5 | 72.26 | 30.71 | 20.66 | 12.13 | 6.54 |
| | 10.8 | 69.11 | 29.01 | 19.70 | 12.00 | 6.50 |

Note: The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice.

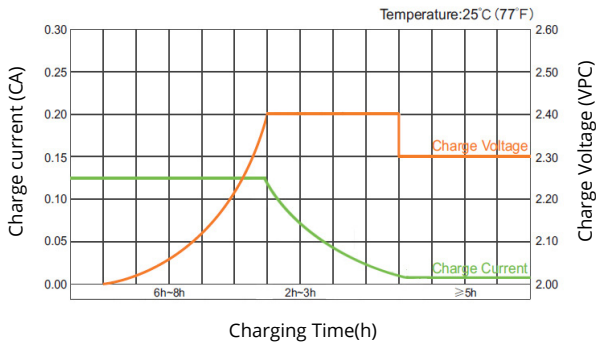
BENEFITS

- ✓ Maxon's Carbon Gel for improved performance
- ✓ Designed for golf cart & mobility applications
- ✓ Maintenance free, fully sealed
- ✓ Resistant to heavy vibration
- ✓ Can be discharged deep than standard Lead Acid Batteries
- ✓ Up to 2 Years Warranty
- ✓ Excellent for energy storage
- ✓ Recycleable
- ✓ Green Energy

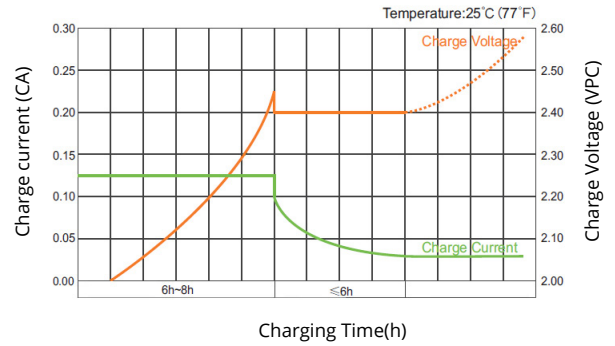


PERFORMANCE CHARACTERISTICS

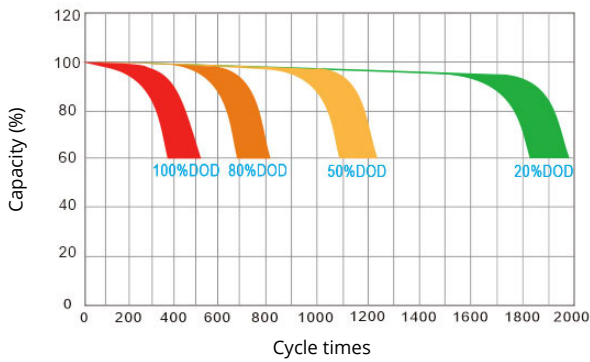
Voltage Regulated Charger – IUU



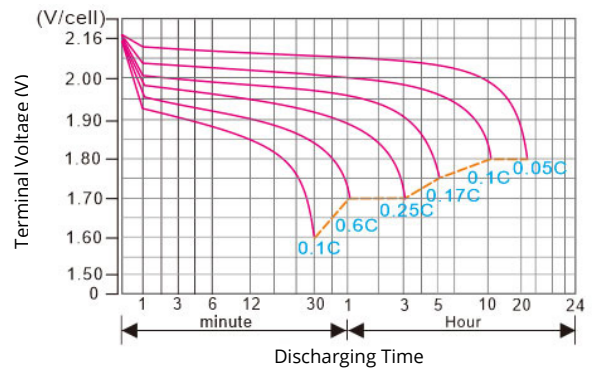
Constant Current Charger – IUI



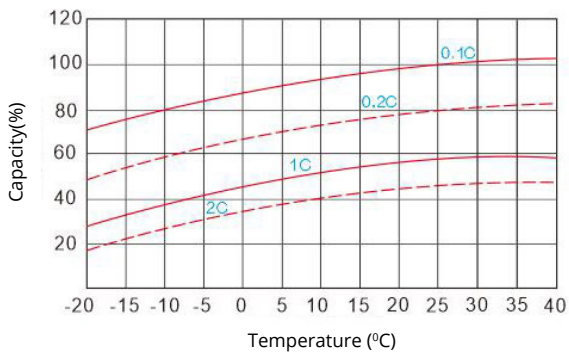
Cycle Life in Relation to Depth of Discharge



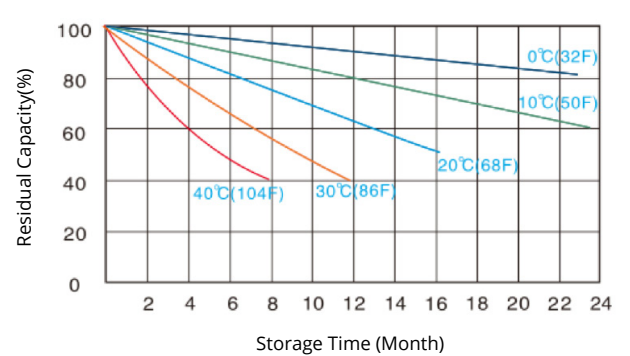
Discharge Characteristic (25°C/77°F)



Capacity Curve At Different Temperature



Self Discharge Characteristics



BATTERY CONSTRUCTION

| Component | Positive plate | Negative | Container & Cover | Safety valve | Separator | Electrolyte | Pillar seal |
|-----------|--|--|-------------------|-----------------|------------------------|----------------------------------|-----------------------------|
| Features | Thick high Sn low Ca grid with special paste | Balanced Pb-Ca grid with Carbon Additive Paste | ABS | Flame Si-Rubber | Advanced AGM separator | Dilute high purity sulfuric acid | Two layers epoxy resin seal |

The data is generally descriptive, only for reference.

www.maxonbatteries.com.au