

AGM VRLA battery, more commonly known as sealed maintenance free battery, is from a family of lead-acid rechargeable battery which works on Gas Recombination principle that will be controlled by pre-determined vent valve. Can be mounted in any orientation (recommended to use in vertical for better access) based on its leak proof design, and do not require constant maintenance. The Amaron Sleek batteries are True Front Access Terminal Batteries.

Battery Construction:

Positive Plate	Negative Plate	Container & Cover	Separator	Safety Valve	Terminal
Hybrid Alloy	Lead Calcium Alloy	Flame Retardant Polypropylene Co-Polymer (FR-PPCP)	Absorbent Glass Mat	Self-Resealing, Pressure Regulated, Explosion proof	M6 Front

General Features:

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of >98% and freedom from electrolyte maintenance or water adding
- Complies to Air Transport Requirement-IATA/ICAO special provision A67
- CE marking for Conformite Europeene, ratified by Underwriters Laboratories and UL approved
- Classified as Non Hazardous Cargo and complies with requirements of IMDG.
- Designed float life of 12+ Years or Cyclic life of 1800+ Cycles at 20% DOD at 27°C
- Generally complies to IEC 60896-21/22:2004 Standards
- Well suitable for standard 23" racks
- Maintenance free operation
- Internal resistance: Approx. 4.64mΩ for a fully charged battery at 27°C
- Low self-discharge of <4% per month at 27°C
- Supplied in 100% factory charged condition

Performance Characteristics:

- Nominal Capacity: 125Ah at C10 rate to 1.75ECV (or) 1.80ECV at 27°C**
- Charge Method: Constant Potential Current Limit Charge
 Float Charge..... 13.5V per module @ 27°C
 Boost Charge..... 13.8V per module @ 27°C
- Maximum charging current..... 37.5 A

Amperes @ 27°C**

ECV/cell	15min	30min	1hr	2hrs	3hr	4hr	5hr	6hr	8hr	10hr
1.75	194.4	120.1	74.7	43.9	33.1	26.4	21.5	18.6	14.8	12.5
1.80	188.5	117.8	72.9	43.7	31.9	25.5	21.1	18.2	14.7	12.5
1.85	177.6	109.4	69.2	42.5	31.0	24.8	20.1	17.3	13.6	11.3
1.90	163.4	95.0	63.8	38.9	28.5	22.9	18.3	16.0	12.5	10.3

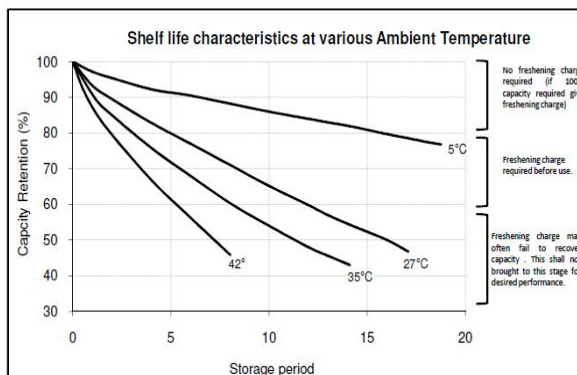
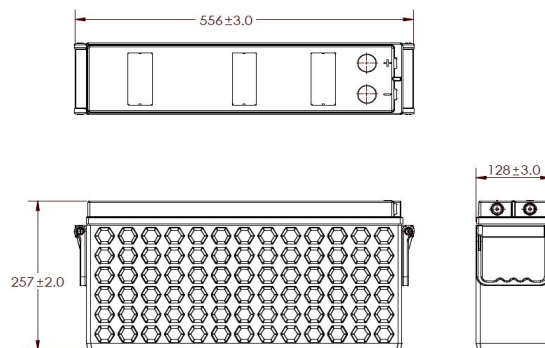
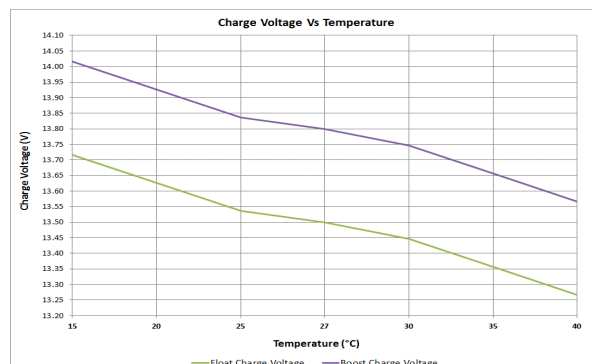
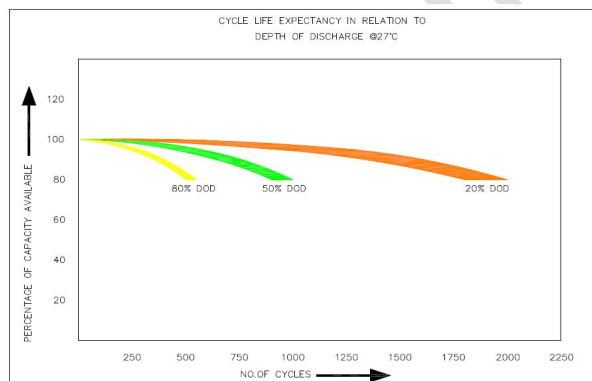
Watts per cell @ 27°C**

ECV/cell	15min	30min	1hr	2hrs	3hr	4hr	5hr	6hr	8hr	10hr
1.75	356.2	222.1	140.4	83.9	63.8	51.0	41.7	36.3	28.9	23.6
1.80	342.1	213.5	132.8	81.2	60.1	47.9	39.7	34.4	27.3	23.6
1.85	322.9	206.1	130.8	78.1	57.6	46.3	39.2	33.4	26.4	21.7
1.90	295.1	180.4	121.8	75.0	55.2	44.6	35.9	31.0	24.5	20.0

** The values declared may be subject to change with respect to ongoing continuous product improvement
 *** Batteries may have the initial capacity range between 90 to 95% on the rated capacity when delivered. This will raise to 100% capacity after few charge / discharge cycles as per the IEEE - 485 clause no: 6.2.4 std

Description	Module level
Nominal Voltage [V]	12
Dimensions [W*D*H]	(128 x 556 x 257) mm
Weight [Kgs]	43 ± 3%
Ah Efficiency	>95%
Wh Efficiency	>85%
Operating temp range*	-20°C to +60°C
Temperature compensation	±18 mV/°C/Module

* Peak temperature for shorter duration



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 * Due to ongoing improvement the specifications are subjected to modification without prior notice.

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AMARA RAJA BATTERIES LTD. (An Amara Raja – Johnson Controls Company)

- Regd. Office (Manufacturing facility & Central Distribution Center)**
 Karakambadi - 517520, Tirupati – AP, INDIA, TEL: +91-877-2265000 FAX: +91-877-2285600, E-Mail: amararaja@amararaja.co.in
- Corporate Office**
 Terminal A, I-18/1/AMR/NR, Nanakramguda, Gachibowli, Hyderabad-500032, INDIA, E-Mail: mktg@amararaja.co.in