ATB-AGM-DC6-335

Deep-cycle AGM.
Built for repeated cycling.

A 6 V 336 Ah deep-cycle AGM VRLA battery engineered for repeated discharge to 50% DoD or deeper. A rugged thick-plate grid design and high active-material density give high cycle life in motive power, solar and renewable-energy storage and marine use. Sealed, maintenance-free and non-spillable, with DT terminals.



6 V	336 Ah	2010 A	47 kg
NOMINAL VOLTAGE	C20 CAPACITY @ 25°C	MAX DISCHARGE (5 S)	APPROX. WEIGHT

Sealed AGM VRLA
Valve-regulated oxygen-recombination design. Maintenance-free and non-spillable: no electrolyte topping and no acid handling.

DT terminals
DT terminals for secure bolted cable connections.

Deep-cycle design
Thick plates and high active-material density for repeated deep discharge.

Standard footprint
296 × 178 × 368 mm case.

SPECIFICATIONS

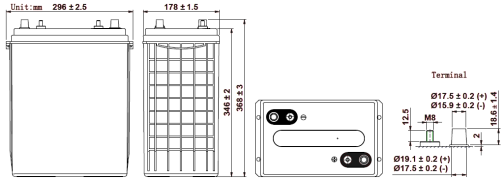
MECHANICAL

Length	**296 mm ±2**
Width	**178 mm ±1.5**
Container height	**346 mm ±2**
Overall height	**368 mm ±3**
Approx. weight	**47 kg ±3%**
Container material	**ABS, UL94-HB (UL94-V0 optional)**
Terminal type	**DT terminal**

ELECTRICAL

Nominal voltage	**6 V**
Chemistry	**AGM VRLA (sealed)**
Capacity, 20 hr (C20)	**336 Ah**
Capacity, 10 hr (C10)	**313 Ah**
Capacity, 5 hr (C5)	**285 Ah**
Rating basis	**to 1.75 V/cell @ 25°C**
Float voltage @ 25°C	**6.75 – 6.90 V**
Equalizing voltage @ 25°C	**7.20 – 7.50 V**
Max charge current	**100 A**
Max discharge current	**2010 A (5 s)**
Internal resistance (charged)	**≈ 1.8 mΩ**
Operating temp. (dis / chg)	**−15°C~50°C / −15°C~40°C**
Storage temp.	**−15°C~40°C**

CONTAINER DRAWING — DIMENSIONS IN MM



ATB-AGM-DC6-335 — technical data

CONSTANT CURRENT DISCHARGE @ 25°C · UNIT: A

F.V (V/cell) / Time	30 min	45 min	1 h	3 h	5 h	8 h	10 h	20 h
1.60 V	329	245	204	88.1	59.3	39.7	32.3	17.3
1.67 V	319	238	200	86.6	58.4	39.1	31.8	17.0
1.70 V	314	235	198	85.7	57.9	38.7	31.6	16.9
1.75 V	308	231	194	84.7	57.0	38.3	31.3	16.8
1.80 V	301	226	191	83.3	56.5	37.8	30.8	16.6
1.85 V	293	222	187	82.3	55.5	37.3	30.5	16.4

CONSTANT POWER DISCHARGE @ 25°C · UNIT: W/CELL

F.V (V/cell) / Time	30 min	45 min	1 h	3 h	5 h	8 h	10 h	20 h
1.60 V	622	464	391	172	116	78.5	64.1	34.6
1.67 V	608	455	384	169	114	77.1	63.2	34.1
1.70 V	598	450	380	168	113	76.6	62.7	33.8
1.75 V	589	445	375	166	112	75.6	61.7	33.5
1.80 V	579	438	370	164	111	75.1	61.3	33.2
1.85 V	565	431	364	161	110	74.2	60.8	32.8

EFFECT OF TEMPERATURE ON CAPACITY (20 HR)

Temperature	Capacity (20 HR)
40 °C	102%
25 °C	100%
0 °C	85%
−15 °C	65%

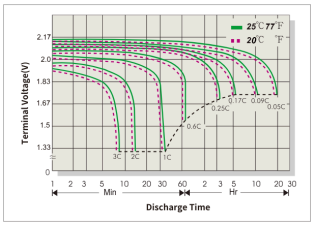
SELF-DISCHARGE CHARACTERISTICS

Storage time	Remaining capacity
3 months	91%
6 months	82%
12 months	64%

CHARACTERISTIC CURVES

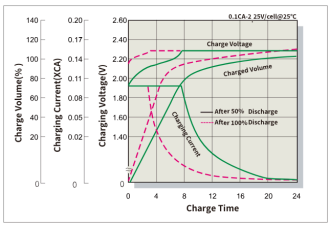
Discharge Characteristics

TERMINAL VOLTAGE (V/CELL) vs DISCHARGE TIME · 25°C / 20°C



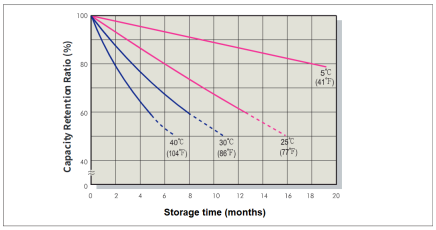
Charging Characteristics

0.1 CA · 2.25 V/CELL @ 25°C



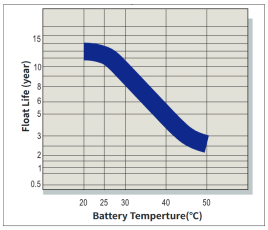
Capacity Retention (Self-Discharge)

CAPACITY RETENTION RATIO vs STORAGE TIME



Float Service Life

FLOAT LIFE vs BATTERY TEMPERATURE · 2.25 V/CELL



STANDARDS & QUALITY

AGM VRLA batteries produced by an ATB-approved manufacturing partner whose VRLA batteries are UL-recognized components under UL 1989, in facilities certified to ISO 9001, ISO 14001 and ISO 45001. Sealed, non-spillable VRLA construction.

Values are subject to variation of ±5% under normal manufacturing processes. Technical specifications are subject to change without prior notice. Curves represent typical performance for the AGM VRLA cell platform at the stated reference conditions. This product is engineered, specified and branded by ATB Power. E&OE. © ATB Power.