ATB-AGM-2V-2500

2 V AGM cells.
Long-life standby power.

A 2 V 2660 Ah 2 V AGM VRLA cell for telecom, networking, UPS and utility standby applications. Sealed, maintenance-free and non-spillable, with M8 bolt terminals.



2 V	2660 Ah	7500 A	122 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.

M8 bolt terminals
Threaded M8 terminals for secure bolted cable connections in UPS, telecom and storage systems.

Single-cell format
2 V cells build 12, 24, 48 V and higher strings for standby systems.

Standard footprint
476 × 337 × 342 mm case.

SPECIFICATIONS

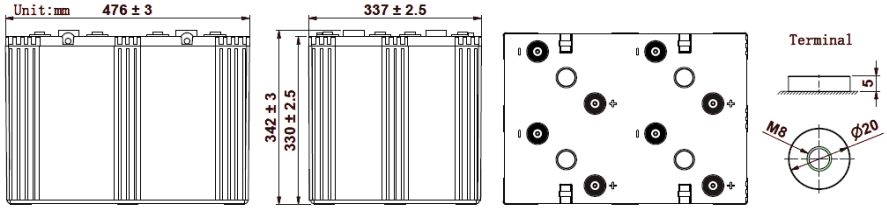
MECHANICAL

Length	**476 mm ±3.0**
Width	**337 mm ±2.5**
Container height	**330 mm ±2.5**
Overall height	**342 mm ±3.0**
Approx. weight	**122 kg ±3%**
Container material	**ABS, UL94-HB (UL94-V0 optional)**
Terminal type	**M8 bolt terminal**

ELECTRICAL

Nominal voltage	**2 V**
Chemistry	**AGM VRLA (sealed)**
Capacity, 20 hr (C20)	**2660 Ah**
Capacity, 10 hr (C10)	**2500 Ah**
Capacity, 5 hr (C5)	**2140 Ah**
Rating basis	**to 1.80 V/cell @ 25°C**
Float voltage @ 25°C	**2.25 – 2.30 V**
Equalizing voltage @ 25°C	**2.35 – 2.40 V**
Max charge current	**725 A**
Max discharge current	**7500 A (5 s)**
Internal resistance (charged)	**≈ 0.3 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-2V-2500 — 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	2109	1787	1533	704	467	322	266	139
1.67 V	2070	1699	1463	679	453	314	260	137
1.70 V	2014	1662	1433	669	448	311	258	136
1.75 V	1893	1601	1382	650	438	306	254	134
1.80 V	1808	1538	1333	633	428	300	250	133
1.85 V	1575	1376	1204	585	398	280	234	126

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	3702	3333	2878	1351	905	628	522	276
1.67 V	3666	3203	2771	1311	882	616	512	272
1.70 V	3603	3149	2728	1295	873	611	508	269
1.75 V	3416	3058	2649	1264	856	601	501	267
1.80 V	3293	2961	2573	1237	840	592	494	263
1.85 V	2892	2668	2341	1148	782	553	463	250

EFFECT OF TEMPERATURE ON CAPACITY (10 HR)

Temperature	Capacity (10 HR)
40 °C	102%
25 °C	100%
0 °C	85%
−15 °C	65%

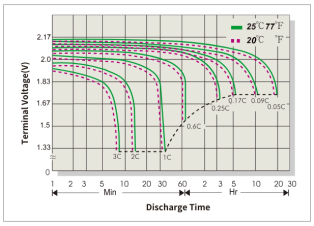
SELF-DISCHARGE CHARACTERISTICS

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

CHARACTERISTIC CURVES

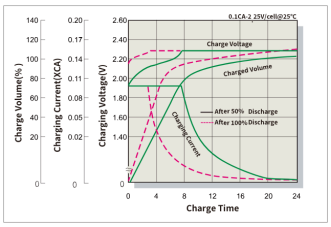
Discharge Characteristics

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



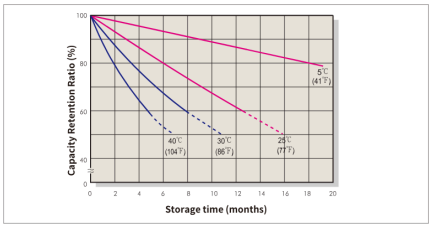
Charging Characteristics

0.1 CA · 2.25 V/CELL @ 25°C



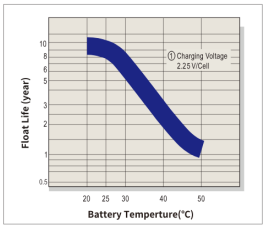
Capacity Retention (Self-Discharge)

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.