ATB-AGM-HR12-37

High-rate AGM.
Power for UPS bursts.

A 12 V 9.0 Ah high-rate AGM VRLA battery for short-duration, high-current UPS discharge. Sealed, maintenance-free and non-spillable, with faston tab terminals.



12 V	37 W	135 A	2.57 kg
NOMINAL VOLTAGE	PER CELL · 15 MIN TO 1.67 V	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.

Faston tab terminals
6.35 mm T2 faston tabs for quick, tool-light connection in UPS, alarm and OEM equipment.

High-rate discharge
Optimised for short, high-current discharge in UPS systems.

Standard footprint
151 × 65 × 100 mm case.

SPECIFICATIONS

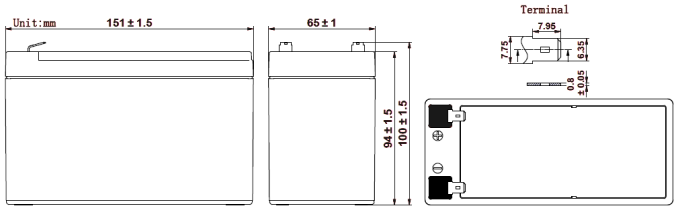
MECHANICAL

Length	**151 mm ±1.5**
Width	**65 mm ±1.5**
Container height	**94 mm ±1.5**
Overall height	**100 mm ±1.5**
Approx. weight	**2.57 kg ±5%**
Container material	**ABS, UL94-HB (UL94-V0 optional)**
Terminal type	**Faston T2 (6.35 mm tab)**

ELECTRICAL

Nominal voltage	**12 V**
Chemistry	**AGM VRLA (sealed)**
Nominal capacity	**37 W/cell (15 min to 1.67 V/cell, 25°C) · 9.0 Ah (C20) · 5.8 Ah (C1)**
Float voltage @ 25°C	**13.5 – 13.8 V**
Equalizing voltage @ 25°C	**14.4 – 15.0 V**
Max charge current	**2.70 A**
Max discharge current	**135.00 A (5 s)**
Internal resistance (charged)	**≈ 18.0 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-HR12-37 — technical data

CONSTANT CURRENT DISCHARGE @ 25°C · UNIT: A

F.V (V/cell) / Time	5 min	8 min	10 min	15 min	20 min	30 min	60 min	90 min
1.60 V	38.0	29.1	26.3	19.8	15.7	10.8	6.15	4.67
1.67 V	36.8	28.3	25.2	19.1	15.3	10.7	6.12	4.55
1.70 V	36.1	27.4	24.4	18.5	14.8	10.6	5.92	4.43
1.75 V	34.7	26.1	23.4	17.9	14.2	10.3	5.78	4.35
1.80 V	33.2	24.9	22.1	17.1	13.6	9.8	5.64	4.27

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

F.V (V/cell) / Time	5 min	8 min	10 min	15 min	20 min	30 min	60 min	1.5H
1.60 V	69.7	54.4	49.7	38.1	30.7	21.2	12.2	9.29
1.67 V	67.8	53.0	47.8	37.0	30.0	21.0	12.2	9.04
1.70 V	66.8	51.7	46.6	35.9	29.1	20.7	11.8	8.82
1.75 V	64.7	49.6	45.0	34.8	27.9	20.1	11.5	8.67
1.80 V	62.5	47.7	43.0	33.5	26.7	19.3	11.3	8.53

EFFECT OF TEMPERATURE ON CAPACITY (20 HR)

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

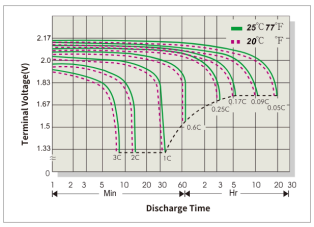
SELF-DISCHARGE CHARACTERISTICS

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

CHARACTERISTIC CURVES

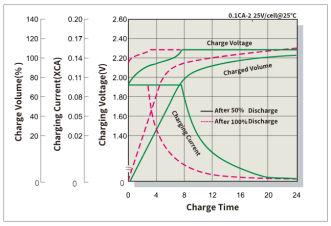
Discharge Characteristics

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



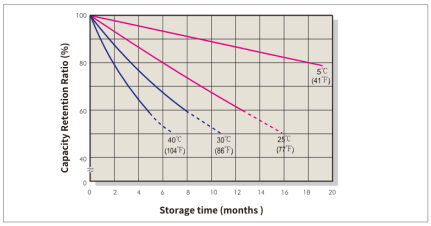
Charging Characteristics

0.1 CA · 2.25 V/CELL @ 25°C



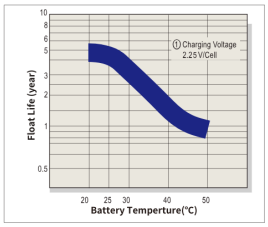
Capacity Retention (Self-Discharge)

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.