ATB-AGM-FT12-200

Front-terminal AGM.
Made for telecom racks.

A 12 V 214 Ah front-terminal AGM VRLA battery for telecom and UPS racks, with high energy density and a robust grid design. Sealed, maintenance-free and non-spillable, with M8 bolt terminals.



12 V	214 Ah	1200 A	58 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.

Front-access design
Both terminals on the front face for installation and inspection in racks.

Standard footprint
561 × 125 × 316 mm case.

SPECIFICATIONS

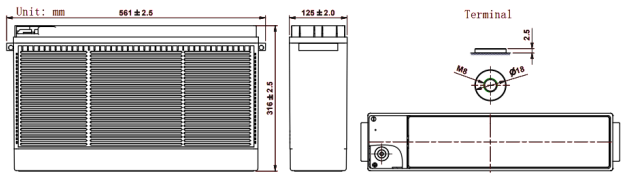
MECHANICAL

Length	**561 mm ±2.5**
Width	**125 mm ±2.0**
Container height	**316 mm ±2.5**
Overall height	**316 mm ±2.5**
Approx. weight	**58 kg ±3%**
Container material	**ABS, UL94-HB (UL94-V0 optional)**
Terminal type	**M8 bolt terminal**

ELECTRICAL

Nominal voltage	**12 V**
Chemistry	**AGM VRLA (sealed)**
Capacity, 20 hr (C20)	**214 Ah**
Capacity, 10 hr (C10)	**200 Ah**
Capacity, 5 hr (C5)	**182 Ah**
Rating basis	**to 1.80 V/cell @ 25°C**
Float voltage @ 25°C	**13.5 – 13.8 V**
Equalizing voltage @ 25°C	**14.4 – 15.0 V**
Max charge current	**60 A**
Max discharge current	**1200 A (5 s)**
Internal resistance (charged)	**≈ 3.5 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-FT12-200 — 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	206	149	125	54.5	39.1	25.0	20.8	11.2
1.67 V	203	147	123	54.1	38.5	24.6	20.6	11.0
1.70 V	200	145	121	53.5	37.6	24.2	20.4	10.9
1.75 V	196	142	119	52.6	37.0	23.8	20.2	10.8
1.80 V	192	137	113	51.6	36.4	23.8	20.0	10.7
1.85 V	177	129	109	47.5	34.7	22.6	18.7	10.3

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	378	277	235	104	75.5	49.0	40.4	22.0
1.67 V	376	275	233	104	74.7	48.4	40.0	21.8
1.70 V	374	273	231	103	73.4	47.8	39.6	21.6
1.75 V	369	269	228	102	72.6	47.2	39.2	21.4
1.80 V	365	262	218	100	71.6	47.0	39.0	21.2
1.85 V	338	249	212	92.7	68.2	44.8	37.2	20.6

EFFECT OF TEMPERATURE ON CAPACITY (10 HR)

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

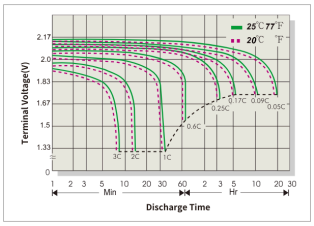
SELF-DISCHARGE CHARACTERISTICS

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

CHARACTERISTIC CURVES

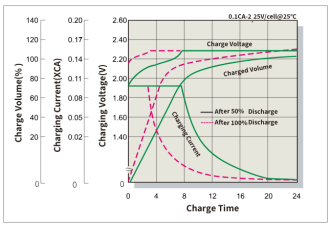
Discharge Characteristics

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



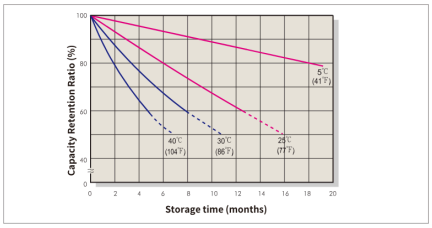
Charging Characteristics

0.1 CA · 2.25 V/CELL @ 25°C



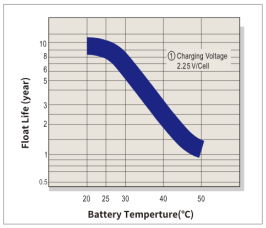
Capacity Retention (Self-Discharge)

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.