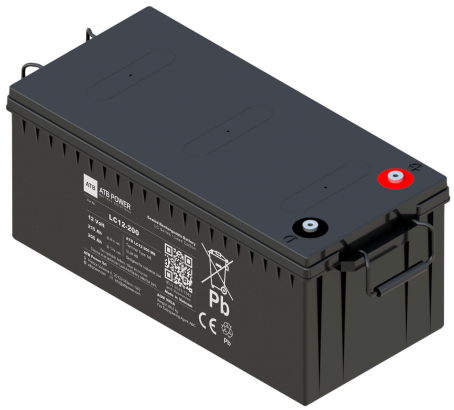
ATB-AGM-LC12-200

Lead-carbon AGM.
Built for partial state of charge.

A 12 V 215 Ah lead-carbon AGM VRLA battery. A carbon additive in the negative active material suppresses sulfation under partial state of charge, giving higher cycle life and faster charge acceptance. Sealed, maintenance-free and non-spillable, with M8 bolt terminals.



12 V	215 Ah	1380 A	66.5 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.

Carbon-enhanced plates
Carbon in the negative plate resists sulfation in partial-state-of-charge use.

Standard footprint
520 × 268 × 225 mm case.

SPECIFICATIONS

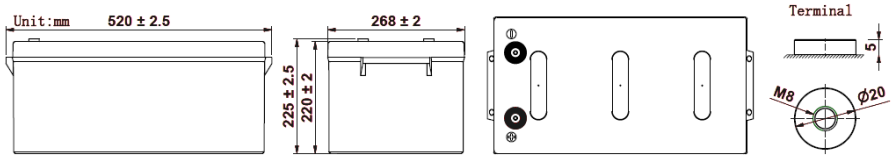
MECHANICAL

Length	**520 mm ±2.5**
Width	**268 mm ±2.0**
Container height	**220 mm ±2.5**
Overall height	**225 mm ±2.5**
Approx. weight	**66.5 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)	**215 Ah**
Capacity, 10 hr (C10)	**200 Ah**
Capacity, 5 hr (C5)	**182.8 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	**69 A**
Max discharge current	**1380 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-LC12-200 — technical data

CONSTANT CURRENT DISCHARGE @ 25°C · UNIT: A · ATB DERATED

F.V (V/cell) / Time	30 min	45 min	1 h	3 h	5 h	8 h	10 h	20 h
1.60 V	215	155	131	56.9	39.2	25.0	20.8	11.3
1.67 V	212	153	129	56.4	38.6	24.6	20.6	11.1
1.70 V	209	152	127	55.9	37.7	24.2	20.4	11.0
1.75 V	205	148	124	54.9	37.1	23.8	20.2	10.9
1.80 V	200	143	118	53.8	36.6	23.8	20.0	10.8
1.85 V	184	135	114	49.6	34.8	22.6	18.7	10.4

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

F.V (V/cell) / Time	30 min	45 min	1 h	3 h	5 h	8 h	10 h	20 h
1.60 V	395	288	245	109	75.8	49.0	40.4	22.2
1.67 V	393	288	243	109	74.9	48.4	40.0	22.0
1.70 V	390	285	241	108	73.7	47.8	39.6	21.8
1.75 V	386	281	238	106	72.8	47.2	39.2	21.6
1.80 V	381	273	228	104	71.8	47.0	39.0	21.4
1.85 V	352	259	221	97.1	68.4	44.8	37.2	20.7

EFFECT OF TEMPERATURE ON CAPACITY (10 HR)

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

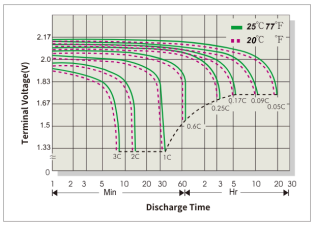
SELF-DISCHARGE CHARACTERISTICS

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

CHARACTERISTIC CURVES

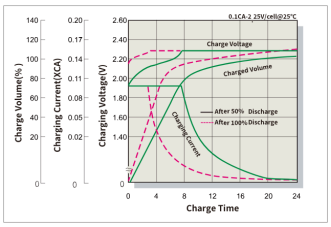
Discharge Characteristics

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



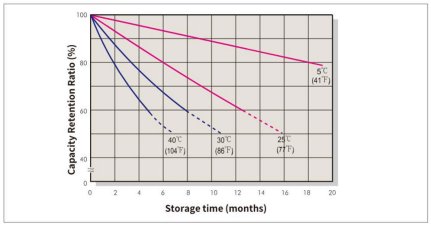
Charging Characteristics

0.1 CA · 2.25 V/CELL @ 25°C



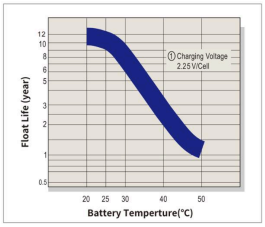
Capacity Retention (Self-Discharge)

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.