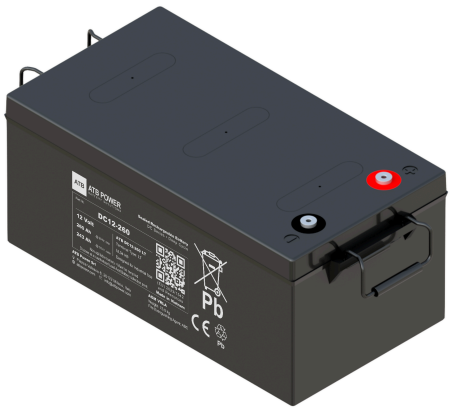
ATB-AGM-DC12-260

Deep-cycle AGM.
Built for repeated cycling.

A 12 V 260 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 LT terminals.



12 V	260 Ah	1560 A	75 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.

LT terminals
LT terminals for secure bolted cable connections.

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

Standard footprint
520 × 268 × 244.5 mm case.

SPECIFICATIONS

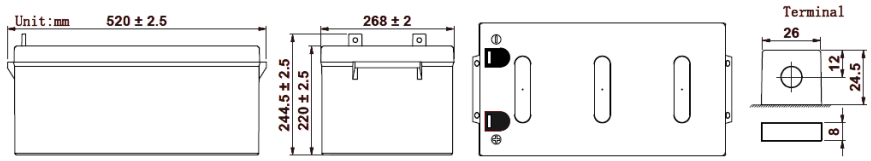
MECHANICAL

Length	**520 mm ±2.5**
Width	**268 mm ±2.0**
Container height	**220 mm ±2.5**
Overall height	**244.5 mm ±2.5**
Approx. weight	**75 kg ±3%**
Container material	**ABS, UL94-HB (UL94-V0 optional)**
Terminal type	**LT terminal**

ELECTRICAL

Nominal voltage	**12 V**
Chemistry	**AGM VRLA (sealed)**
Capacity, 20 hr (C20)	**260 Ah**
Capacity, 10 hr (C10)	**243 Ah**
Capacity, 5 hr (C5)	**221 Ah**
Rating basis	**to 1.75 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	**78 A**
Max discharge current	**1560 A (5 s)**
Internal resistance (charged)	**≈ 2.8 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-DC12-260 — 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	255	190	159	68.3	46.1	30.8	25.1	13.4
1.67 V	248	185	155	67.2	45.3	30.3	24.7	13.2
1.70 V	244	183	153	66.5	44.9	30.0	24.5	13.1
1.75 V	239	179	151	65.7	44.2	29.7	24.3	13.0
1.80 V	233	176	148	64.6	43.8	29.3	23.9	12.9
1.85 V	227	172	145	63.9	43.1	29.0	23.7	12.7

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	483	360	303	133	90.3	60.9	49.8	26.8
1.67 V	472	353	298	131	88.8	59.8	49.0	26.4
1.70 V	464	349	295	130	88.0	59.4	48.7	26.3
1.75 V	457	345	291	129	87.3	58.7	47.9	26.0
1.80 V	449	340	287	127	86.2	58.3	47.5	25.7
1.85 V	438	335	283	125	85.1	57.6	47.2	25.5

EFFECT OF TEMPERATURE ON CAPACITY (20 HR)

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

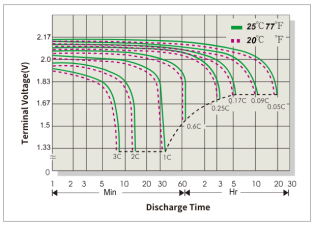
SELF-DISCHARGE CHARACTERISTICS

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

CHARACTERISTIC CURVES

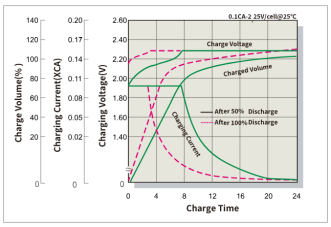
Discharge Characteristics

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



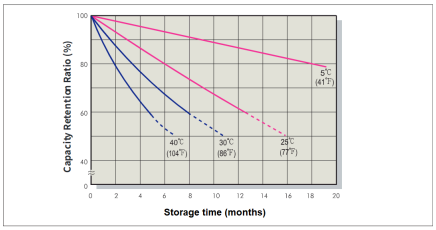
Charging Characteristics

0.1 CA · 2.25 V/CELL @ 25°C



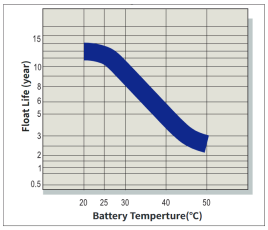
Capacity Retention (Self-Discharge)

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.