ATB-AGM-DC12-L5

Start-stop AGM.
For deep-cycle use.

A 12 V 92 Ah AGM VRLA battery in the automotive start-stop case (BCI group 49, LN5/H8), offered for deep-cycle use. Sealed, maintenance-free and non-spillable, with automotive post terminals.



12 V	92 Ah	850 A	26.8 kg
NOMINAL VOLTAGE	C20 CAPACITY	COLD CRANKING (−18 °C)	APPROX. WEIGHT

Sealed AGM VRLA

Valve-regulated oxygen-recombination design. Maintenance-free and non-spillable: no electrolyte topping and no acid handling.

Automotive post terminals

Tapered positive and negative posts, dimensions in the drawing below.

Automotive case

BCI group 49, LN5/H8 case with B13 hold-down, 353 × 175 × 190 mm.

Cranking and reserve

850 A cold cranking current at −18 °C and 160 min reserve capacity at 25 A.

SPECIFICATIONS

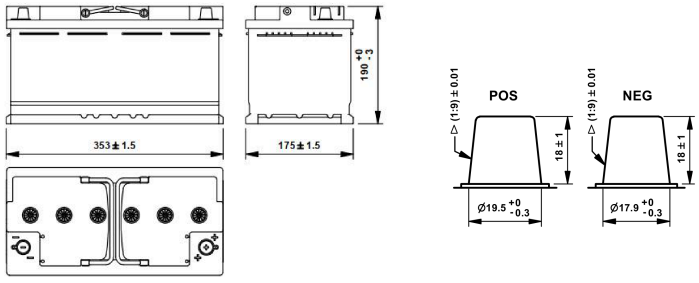
MECHANICAL

Length	**353 mm ±1.5**
Width	**175 mm ±1.5**
Container height	**190 mm +0/−3**
Overall height	**190 mm +0/−3**
Approx. weight	**26.8 kg**
Container material	**Black PP**
Terminal type	**Automotive post (see drawing)**
Hold-down	**B13**
BCI group	**49**
Shape standard	**LN5/H8**

ELECTRICAL

Nominal voltage	**12 V**
Capacity, 20 hr (C20)	**92 Ah**
Capacity, 10 hr (C10)	**81.5 Ah**
Capacity, 5 hr (C5)	**70.5 Ah**
Rating basis	**to 1.75 V/cell (10.5 V)**
Reserve capacity	**160 min (25 A to 10.5 V)**
Cold cranking current	**850 A (−18 °C)**

CONTAINER DRAWING — DIMENSIONS IN MM



ATB-AGM-DC12-L5 — 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	81.3	60.5	50.6	21.8	14.7	10.3	8.43	4.74
1.67 V	79.0	58.9	49.3	21.4	14.4	10.2	8.30	4.68
1.70 V	77.7	58.2	48.8	21.2	14.3	10.1	8.24	4.65
1.75 V	76.1	57.1	48.0	20.9	14.1	9.99	8.15	4.60
1.80 V	74.2	56.0	47.2	20.6	14.0	9.87	8.04	4.56
1.85 V	72.4	54.9	46.3	20.3	13.7	9.74	7.96	4.51

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	154	115	96.6	42.5	28.7	20.5	16.7	9.49
1.67 V	150	112	94.8	41.8	28.3	20.1	16.5	9.36
1.70 V	148	111	94.0	41.4	28.0	20.0	16.4	9.30
1.75 V	145	110	92.8	40.9	27.8	19.7	16.1	9.20
1.80 V	143	108	91.5	40.4	27.4	19.6	16.0	9.10
1.85 V	140	107	90.0	39.9	27.1	19.4	15.9	9.02

Discharge data for this model are ATB ratings for deep-cycle use.

EFFECT OF TEMPERATURE ON CAPACITY (10 HR)

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

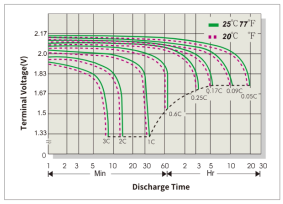
SELF-DISCHARGE CHARACTERISTICS

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

CHARACTERISTIC CURVES

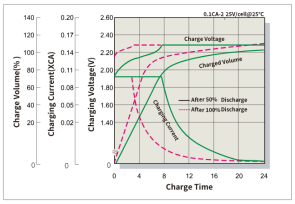
Discharge Characteristics

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



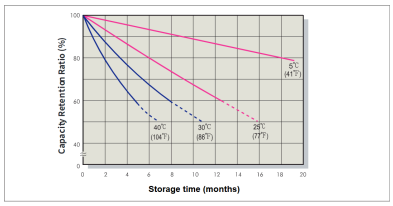
Charging Characteristics

0.1 CA · 2.25 V/CELL @ 25°C



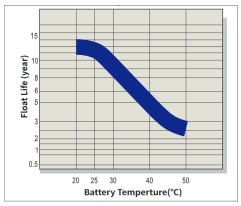
Capacity Retention (Self-Discharge)

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.