

— ATB AGM LC SERIES

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

Solar self-consumption batteries spend most of their life never fully charged. Standard AGM sulfates and dies in twelve to eighteen months. Lead-carbon negatives suppress sulfation across thousands of partial cycles.



<p>200–250 AH AT C20</p>	<p>12V BLOCK FORMAT</p>	<p>3000+ CYCLES @ 50% DOD PSOC</p>	<p>5x PSOC LIFE VS. AGM</p>
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Carbon-added negatives

Activated carbon in the negative active material suppresses sulfate crystallisation during partial state-of-charge cycling.

Solar self-consumption

PV systems with daily partial discharges and overnight recharges. The duty where AGM fails first.

Hybrid micro-grid

Behind-the-meter storage where charge windows are short and SoC rarely returns to 100%.

Recovers from sulfation

PSoC duty causes sulfate buildup over time. Lead-carbon design partially recovers between full charge events.

PSOC DUTY KILLS FLOAT-GRADE AGM. LC IS BUILT FOR IT.

Lead-carbon AGM blends activated carbon into the negative active material. Carbon provides a non-faradaic charge pathway that reduces sulfate crystal growth during partial-state-of-charge cycling. EUROBAT classifies LC chemistry under the LL category for solar self-consumption duty. Tested per IEC 61427-1 for renewable energy storage.






AGM · LC SERIES

Lead-Carbon AGM. PSoC Solar Self-Use.

LC Series — Lead-Carbon for PSoC Solar

SOLAR SELF-USE · PSoC

Lead-carbon AGM for partial-state-of-charge solar self-consumption. Carbon negatives suppress sulfation during incomplete recharge cycles. 12V from 200 to 230 Ah.

 PSOC TOLERANT	 SOLAR SELF-USE	 3000+ CYCLES	 SEALED VRLA	 EXTENDED LIFE
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MODEL	VOLTAGE	C20 (AH)	L x W x H (MM)	WEIGHT	TERMINAL
ATB LC12-200	12V	215Ah	520 x 268 x 220	65.0 kg	M8
ATB LC12-230	12V	245Ah	520 x 268 x 220	72.0 kg	M8



LC12-200



LC12-230

Representative sizes shown. Full LC Series range and datasheets at atbpower.com.

QUALITY & STANDARDS

PSoC-graded. Solar-tested.

FACTORY & COMPLIANCE

ISO 9001 · IEC 61427-1 · IEC 60896-22 · UN 38.3

FACTORY

ISO 9001 Quality system
ISO 14001 Environment
ISO 45001 Occupational H&S

PRODUCT

IEC 61427-1 Renewable storage
UN 38.3 Transport
IEC 60896-22 Stationary VRLA

PSOC DUTY

EUROBAT LL Long-life class
EN 50342-6 Hybrid cycling
IEC 61427-1 Solar

LC series ships with PSoC cycle-life curves and recommended charge profiles for solar inverter integrators. The carbon-blend negative recovers over full equalisation, but most installs run for years on a partial-state programme. Application notes available via atbpower.com.