



SERIES 05 / 07

Energy Storage & High-Temperature AGM Separator

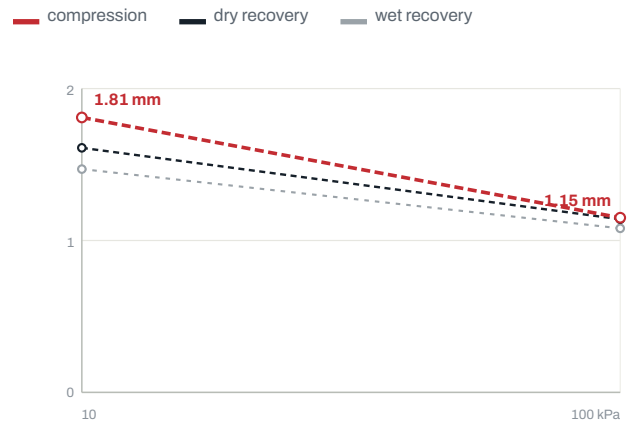
AGM separator for clean-energy storage and telecom batteries, including high-temperature service.

AGM separators for clean-energy storage and telecom standby batteries, including solar storage and other applications exposed to high ambient temperatures.

TECHNICAL DATA

Thickness range @10 kPa	1.0-2.5 mm
Density	165 g/m ² ·mm
Avg. fiber diameter	0.5-2.0 μm
Specific surface area (BET) · design target	≥ 1.5 m ² /g
Avg. beating degree · design target	≥ 32 °SR

CATALOGUE ENDPOINTS · 10 / 100 kPa



Endpoint thicknesses transcribed from the printed catalogue at 10 and 100 kPa. Straight connectors are visual guides only; no intermediate measurements are implied.

KEY CHARACTERISTICS

- Stable and reliable float performance
- High puncture resistance retained at elevated temperature, helping prevent short circuits
- Strong elastic recovery to maintain plate-group pressure
- Dependable long-discharge performance
- Strong resistance to heat-driven collapse and shrinkage across large temperature swings

DESCRIPTION

High ambient temperature shortens float life. This series is engineered to resist collapse and aging under sustained heat, helping maintain separator structure and plate-group compression across wide temperature swings.

A density of 165 g/m²·mm and thickness of 1.0-2.5 mm at 10 kPa provide electrolyte capacity for extended discharge, while 0.5-2.0 μm fibers help retain puncture and dendrite resistance at elevated temperature.

IATF 16949:2016

ISO 9001 · SINCE 2002

ISO 14001 / 45001

IATF 16949: Nanjing HQ and both plants (Inner Mongolia & Chuzhou). ISO 14001: Inner Mongolia & Chuzhou. ISO 45001: Chuzhou. RoHS & REACH compliant.