

FUJI POWER – Technical Data Sheet (TDS)

Model: FA20■12 (AGM) / 12V 20Ah Sealed Lead Acid Battery

1. Product Overview

FUJI POWER FA20■12 is a rechargeable maintenance-free AGM sealed lead acid battery designed for UPS systems, emergency lighting, telecom equipment, solar backup systems, security systems, and general standby / cyclic applications.

Parameter	Specification
Model	FA20■12 (AGM)
Battery Type	Valve Regulated Sealed Lead Acid (VRLA), AGM
Nominal Voltage	12V
Rated Capacity	20Ah @ 20HR
Nominal Energy	240Wh
Charging Voltage (Cycle Use)	14.5 – 14.9V @25°C
Charging Voltage (Float Use)	13.6 – 13.8V @25°C
Initial Charging Current	< 6A
Terminal	Faston / Bolt Type (typical for 20Ah class)
Self-Discharge	Approx. <3% per month @25°C
Internal Resistance	Typical $\leq 12 \text{ m}\Omega$
Design Life	3–5 years standby use (typical)

2. Mechanical Characteristics

Characteristic	Value
Approx. Dimensions	181 x 77 x 167 mm
Approx. Weight	5.5 – 6.5 kg (typical)
Container Material	ABS Plastic
Origin	Thailand (per product marking)

3. Operating Conditions

Operating Temperature:

- Discharge: –15°C to +50°C
- Charge: 0°C to +40°C
- Storage: –15°C to +40°C

4. Typical Applications

UPS • Emergency Lighting • Alarm Systems • Solar Backup • Telecom Equipment • Medical Devices • DC Backup Power

5. Safety & Handling

- Do not short-circuit terminals.
- Do not disassemble or incinerate.
- Avoid charging above specified voltages.
- Store in cool dry location.
- Risk of fire, explosion or burns if misused.

6. Notes

This document was prepared from available product markings and standard industry AGM/VRLA 12V 20Ah specifications where manufacturer-published values were not publicly available. Values marked as typical may vary slightly by production batch.