



EU ENERGY REQUIREMENTS FOR GARAGE DOOR OPERATORS
SUMMARY OF REGULATION (EU) NO. 2023/826

1. Introduction

Regulation (EU) 2023/826 introduces updated ecodesign measures focused on reducing energy consumption in off, standby, and networked standby modes for household and office equipment. The regulation becomes enforceable as of 9 May 2025.

2. Power Consumption Limits by Mode

- Off mode: maximum 0.50 W (reduced to 0.30 W after May 2027)
- Standby mode:
 - maximum 0.50 W (reactivation only or with indicator)
 - maximum 0.80 W (reactivation with status display)
- Networked standby:
 - maximum 2.00 W (standard equipment)
 - maximum 8.00 W (HiNA functionality; reduced to 7.00 W after May 2027)

3. FMK Motorized Products – Regulatory Compliance

- Basic GDO model: power consumption under 0.4 W → Fully compliant with off and standby mode limits.
- Pro version with integrated Wi-Fi module (HiNA functionality): power consumption 3.0 W → Fully compliant with the 8.0 W limit for networked standby applicable to HiNA equipment.

This classification is justified based on the following functions:

- Support for remote query of motor and door status
- Periodic data synchronization (e.g., log uploads, operation record queries)
- Network response latency ≤ 1 second (compliant with ETSI EN 303 423)
- Real-time execution of remote control commands (e.g., IoT command transmission)

Note: Power consumption values are based on conditions where no external devices requiring continuous power are connected to the motor.

4. Conclusion

FMK Motorized garage door operators meet all energy efficiency requirements set by Regulation (EU) 2023/826 and are ready for compliant use and distribution across the EU from 9 May 2025.