

TYPE _____ · DATE _____ · PROJECT _____

KEY

Sage Central Battery — Sage Live™ Monitoring

Central Battery with Sage Live™

500 – 1,000 W · 24 VDC · ≥ 90 min

SUGGESTED SPECIFICATION

Install Sage Keystone central-battery panels with the Sage Live™ Monitoring and Reporting System to supply from 500 W to 1,000 W emergency power at 24 VDC for at least 90 minutes. All systems shall include automatic self-test and self-diagnostic functions as required by NFPA 101 Life Safety Code for computer-based emergency lighting equipment, and shall produce automatic test reports transmitted by email to up to six (6) addresses. Emergency-lighting fixtures may include Sage emergency luminaires, exit signs, and general-lighting LED luminaires fitted with a Sage Relay. Optional power for switched/night or security lighting shall be available. Utility power input shall be 120 VAC, or optionally 277/347/480 VAC, with an optional second power input from a generator. All Keystone systems shall be supplied with an individual IP address, allowing remote monitoring of all test functions including load variation on each emergency branch circuit. Data transfer to the operator shall be via Ethernet local network, a cloud-based server, or other means as specified by the user.

ELECTRICAL SPECIFICATIONS

Computer-based central battery, 500–1,000 W, 24 VDC output, ≥ 90 minutes. Up to eight 24 VDC emergency branch circuits (2–4 conductors each, #18–#8 AWG, 1-hour-rated MC cable per NEC 700.9(d)(1)); loads may be Class 2. Two commercially available 12 V sealed-lead-acid batteries, removable in minutes without ladders or lifts. NEMA Type 1 / UL 50 steel enclosure (surface mount; optional recess). Standard four Sage Olympus local-circuit-monitor inputs and a standard Ethernet port.

MODEL SPECIFICATIONS

Model	Emergency (W)	Security (W)	Panel H x W x D (in)	Weight (lbs)
KEY-500	500	500	24 x 30 x 8	110
KEY-1000	1000	1000	24 x 30 x 8	195

Enclosure sizes shown for 120 VAC input; panel size may vary for other AC inputs — contact factory.
 EPR = 90-min emergency power; Security = continuous night/security power.
 Weight includes the two model-specific batteries.

PRODUCT DATA · INPUT

AC Input	120 VAC (opt. 277 / 347 / 480 VAC)
DC Output	24 VDC, ≥ 90 min
Emergency Power	500 – 1,000 W
Branch Circuits	up to 8 (2–4 cond., #18–#8 AWG)
Batteries	2 x 12 V SLA (front-removable)
Monitor Inputs	4 x Sage Olympus (standard)
Network	Ethernet (opt. Wi-Fi)

FEATURES

- Sage Live™ — automatic FAULT reporting via email to up to 6 addresses; on-demand status over the internet
- Automatic monthly self-test + annual discharge test (NFPA 101 §7.9.3)
- LCD display: battery voltage, charge current, load, fault + description, panel temperature
- Optional generator input — emergency operation with no start-up delay
- Secure platform — runs on Linux / SSH; resistant to viruses and outside intrusion

TEMPERATURE

Operating Temperature	0° to +50° C (standard)
With Battery-Heater (BH) option	–40° to +50° C

ORDERING INFORMATION

Model	KEY
90-min Watts	500 · 1000
AC Volts	120 · 277 · 347 · 480
Options	GEN120/GEN277 generator · S(X) security supply (25–1000 W) · FEMA (1000 W) · ASA active-shooter alert · WIFI · CIP cloud · BH battery heater · FAN · LOK key lock · NEM4 weatherproof · REC recess

Ordering Example: KEY-500-277-GEN277-S350

UL CONDITIONS OF ACCEPTABILITY

Listed under UL Standard 924; meets applicable requirements of CSA C22.2 No. 141, NFPA 101, and NEC 700.12(c). cETLus (US + Canada). Designed and made in the USA. As a storage-battery system per NEC 700.9, install in spaces with an approved automatic fire-suppression system or a 1-hour fire-resistance rating.

NOTE: Maximum 40 exit signs per central battery.

NOTE: Branch wiring: exits-only 2-wire · EM-only 2-wire · exits + EM 3-wire · + security 4-wire. Wiring colors: exit signs Yellow & Black; emergency Red / Black / Blue (if security); CDO Black / Yellow / Red.

“Engineered for the spaces it protects.”