



Features and specifications are subject to change without notice. Contact factory for most recent product information.

WARRANTY

The system is guaranteed, under normal and proper use, against defects in workmanship and materials for a period of two years from the date of shipment. Batteries supplied as part of the system are covered under a separate pro-rata warranty as described below:

Lead-Calcium Batteries
1 year full plus 9 year pro-rata period

IMPORTANT

Failure to connect system batteries to an energized charging circuit within 90 days from the date of shipment will void the warranty.

Current @

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Rev 05/24/22 synchron-R01















NEW NON-STOP SAFETY, RELIABILITY AND VALUE

ual-Lite's new Synchron AC Inverter System provides interruption-free power to all critical life safety loads and other secondary support systems. "No break" switching between utility and

inverter power means that all connected equipment will continue to operate normally under emergency conditions. In addition to maximizing safety for occupants, the Synchron saves time, money and space.

"Public Way"

Egress Lighting to the

The Synchron lends itself to solving the new requirements to provide lighting to the "Public Way" ...whether that means 10 feet from the building...or 100 feet. The Synchron will operate any Wall Pack or Bollard...at full light output...for the full 90 minutes...lighting the path to safety.

So Sophisticated, It's Simple

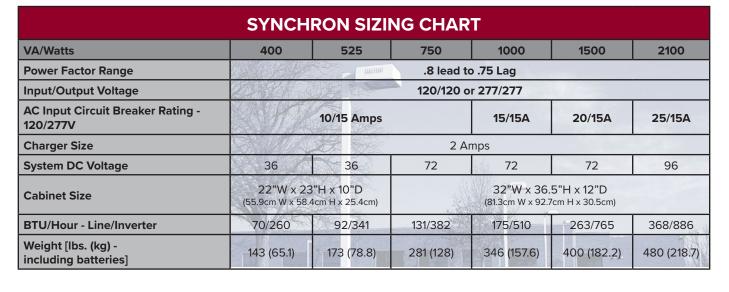
With the Synchron, no additional lighting into your existing electrical panel. Unlike unsightly traditional emergency lighting, this system supplies power to your existing interior and exterior

Reduced Maintenance and Service Costs

There is only ONE unit to test and service, The AC-in to AC-out operating efficiency lower energy bills!



- A cost effective alternative to
- Reduced maintenance costs
- Improved building aesthetics
- Off line design for high efficiency up to 98%
- 100% load compatible with any lighting
- AC input breaker
- DC switch
- Multipurpose LED indicators
- Compact, easy to install wall mounted design
- Meets or exceeds all
- Sealed maintenance free batteries
- Two year Warranty
- AC-output breaker standard on 400 an
- Push button test switch
- DC fuse



System Status At A Glance....

The Synchron system's three multipurpose LED indicators provide a simple, intuitive interface to notify the user of operating status as well as visual service alerts to operational malfunctions should they occur. Depending on their state of operation, the LED indicators are capable of notifying the user to the following operational conditions:



- Normal Standby Operation
- Inverter On
- AC Input Interruption
- No Load Connected
- Circuit Breaker Tripped
- Battery Charger Malfunction
- Overload Shutdown
- High Temperature Shutdown
- Temperature Probe Malfunction

Electrical Specifications

Input voltage: 120, 277, ±10% Input frequency: 60Hz ±3% Synchronizing slew rate: 1 Hz per second nominal

Electronics operating temperature: 0°C to 40°C (32°F to 104°F)

Output

Output voltage: 120, 277

Output regulation: (static) +10/-5% based on a 5% — 100% resistive load

Output distortion: Less than 5% THD

linear load

Load power factor range: .75 lag to .8 lead Output frequency: Normally, synchronized

to utility, +.05 Hz during emergency

Overload: 115% momentary Transfer time: No break

Electrical Specifications (con't)

Battery charger: Automatic, temperature compensated with internal diagnostic indicators

Recharge time: Meets UL 924 requirements Battery protection: Automatic low-battery

voltage disconnect. Automatic restart upon utility return

Standard battery: S-Sealed lead-calcium 10-year life

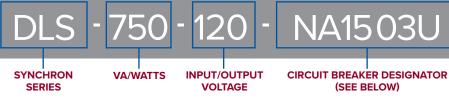
Battery voltage: 36, 72 or 96VDC

(system dependent) Runtimes: 90 minutes standard

Relative humidity: 95% non-condensing

Note: 100% battery capacity rated at 25°C (77°F). Optimum system performance between 20°C (68°F) and 29°C (85°F); temperatures outside of this range will affect battery performance and life.





Output Circuit Breakers

400 and 525VA models are supplied standard with one 15 amp normally-on output circuit breaker. Output circuit breakers are optional on all 750 to 2100VA models. Output circuit breakers are available in single-pole configurations for normally-on or normally-off operation. A maximum of six monitored or ten unmonitored normally-on breakers may be specified. Normally-off configurations are limited to a maximum of four circuit breakers and include a built-in 15-minute re-transfer delay to accommodate HID lighting restrike cycles.

TYPE	VOLTAGE RATING	AMPERE RATING	QUANTITY	SUPERVISION
Blank = Normally-On ⁽¹⁾ N = Normally-Off ⁽²⁾⁽³⁾⁽⁴⁾	A =120VAC B = 277VAC	15 20 30	01 to 10	Blank = Monitored U = Unmonitored

- (1) A maximum of 6 monitored or 10 unmonitored normally-on circuit breakers may be specified.
- (2) A maximum of four normally-off circuit breakers may be specified.
- (3) Maximum rating of normally-off circuit breakers is 20 amperes
- (4) Normally-off output circuit breakers include a built-in 15-minute retransfer delay for HID lighting loads.

