GENERAL DESCRIPTION

The Central Battery System (CBS) finally offers a practical way to comply with the Life Safety Code and solve emergency battery maintenance problems forever. The perfect solution for any size application. Provides from 100 to 1000 watts of emergency power to any combination of Signtex products for a minimum of 90 minutes. An optional night/security power supply will run all fixtures required for night lighting at less than 6 watts.

CONSTRUCTION & OPERATION

• Uninterruptible Power Supply per NEC 700.12 (c), with storage batteries, charging system, automatic transfer switch and self-test switch with LED indicator.
• NEMA Type 1, UL 50 steel cabinet, for surface or optional recessed mount
• Test switch and diagnostic status indicator allow immediate update on battery condition and charger performance.
• Maintenance on battery or other electronics for all emergency lighting equipment on one building floor can be performed in a short time. No access to the fixtures is required.
• Up to eight low voltage circuits operate emergency lighting as well as night/security lighting, and exit signs. Fixtures may be connected together in parallel in a "daisy-chain".

ELECTRONICS

• All charger functions are monitored by an advanced microprocessor which also automatically performs all self-test diagnostics as required by NFPA 101 and UL 924, every 30 days and every 12 months following installation.
• Regulated charger output for fast charge with maximum battery life.
• The Security Lighting option can be controlled by an internal time clock, photocell, or from a building management system.
• Output terminal blocks provided, accepting wire gauges from 12 AWG to 8 AWG.

BUILDING MANAGEMENT INTERFACE

• An optional BMI module allows two-way communication of diagnostic data between a CBS panel and a Building Management System via BACnet protocol, or equivalent code. Written test reports can be produced in full compliance with the NFPA Life Safety Code 101, Section 7.9.3.1.3 (5).

CODES

• Meets applicable requirements of UL Standard 924, NFPA 101, and NEC 700.12 (c).

WARRANTY

• 3 year total customer satisfaction warranty. For details see product catalog technical data section.
**Universal Central Battery System**  
For all Signtex Emergency Lighting Products

### SUGGESTED SPECIFICATIONS:
Power for emergency lighting shall be provided by Signtex Inc Central Battery System Series CBS, including optional security or night lighting, with input of 120 VAC and uninterrupted output of 24 VDC for loads as specified for at least 90 minutes in emergency operation. The system shall be capable of supplying power to all Signtex emergency lighting remote fixtures, including COVERLITE and MOONLITE™ models, and all LED exit signs. Panel construction shall be from sheet steel, UL listed, and meet NEMA I requirements. Battery diagnostics will perform automatic testing as required to meet national and local codes, and status will be displayed with a multicolor LED on the panel, and manual push-to-test switch. An optional Building Management Interface (BMI) shall be capable of communicating diagnostic self-test data to Building Management System.

### PANEL LAYOUT & DIMENSIONS:
- **120 VAC EM CIRCUIT INPUT**
- **SECURITY LIGHTING TIMER**
- **RED- EMERGENCY +24V**
- **GREEN- COMMON -24V**
- **BLACK- SECURITY/ NIGHT LTG +24V**
- **WHITE- EXITS & CVRE +12V or +24V**

### DC OUTPUTS:
- **RED- EMERGENCY +24V**
- **WHITE- EXITS & CVRE +12V or +24V**
- **BLACK- SECURITY/ NIGHT LTG +24V**
- **GREEN- COMMON -24V**

### FIXTURE WIRING CONNECTIONS:
- **EXIT & CVRE POWER SUPPLY** (CBS1000 only or 'EX' option for others)
- **EXIT SIGNS: GREEN & WHITE**
- **EMERGENCY FIXTURES: RED, GREEN, & BLACK (IF SEC)**
- **CVRE: GREEN, WHITE & RED**

### CIRCUIT LOAD CALCULATIONS:
- **Up to eight circuits are available from each central battery system panel.**
- **Any Signtex REMOTE model may be connected to the system, within the power limits of the central battery when fixture is operated at EPR (Emergency Power Rating).** See load table at right.
- **For each circuit, multiply fixture quantity by the corresponding EPR watts to calculate total load.**
- **Add all circuit loads together to ensure the gross load is no higher than the power limit of each central panel.**
- **Select the circuit with the highest load and measure its length.**

### DC OUTPUT TERMINAL STRIPS:
- Up to 8 circuits available
- Security/Night LTG power supply (optional)
- Exit & CVRE power supply (CBS1000 only or 'EX' option for others)

### EXAMPLE: CBS250T277S

<table>
<thead>
<tr>
<th>MODEL</th>
<th>90 MINUTE OUTPUT WATTS</th>
<th>OPTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>CBS</td>
<td>100</td>
<td>SEE ABOVE</td>
</tr>
<tr>
<td>CBS</td>
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</tr>
<tr>
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</tr>
<tr>
<td>CBS</td>
<td>1000</td>
<td></td>
</tr>
</tbody>
</table>

### OPTIONS
- **S** Security Lighting Power Supply
- **EX** Additional Exit Lighting Power Supply
- **LCM** Local Circuit Monitor Control
- **HPS** High Power Security Lighting
- **BMI** Building Management Interface
- **CVR** Output Power Relay for CVRE Operation
- **277** 277 VAC Input for Charger System
- **REC** 277 VAC Input for Charger & Security Lighting
- **REM** Remote Control
- **LOC** Key Lock
- **NEM4** Weatherproof

### EXITS & EM LIGHTING:
- **2 WIRE SYSTEM**
- **3 WIRE SYSTEM**
- **4 WIRE SYSTEM**

### INSTALLATION:
- **Universal Central Battery System**
- **CBS100 & CBS500**
- **CBS1000**

### EMERGENCY POWER RATING:
- **MOONLITE LED: ALL 10L2 MODELS**
- **MOONLITE LED: ALL 15L3 MODELS**
- **SINGLE FACE EXIT**
- **DOUBLE FACE EXIT**
- **COVERLITE REMOTE CVRE20**
- **COVERLITE REMOTE CVRE35**
- **COVERLITE REMOTE CVRE50**
- **COVERLITE REMOTE CVRE75**

### EXIT LIGHTING:
- **CBS100 & CBS250**
- **CBS500 & CBS1000**

### ENCLOSURE SIZES SHOWN FOR 120 VAC INPUT CONTACT FACTORY FOR 277 VAC OPTIONS.
- **SEC= POWER AVAILABLE FOR CONTINUOUS SECURITY OR NIGHT LIGHTING**

**ORDERING INFORMATION**

**DISTRIBUTOR:**

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