



Lighting-Power-Control



## RDF CBU-Pro

24V, 50V, and 110V AC/DC Central Battery System



### FEATURES

- Bespoke design to suit requirement (ideal for retro-fit)
- Designed to EN 50171 for emergency lighting
- Wall mount or free standing cabinets
- Choice of 24V / 50V / 110V output options (AC/DC)
- Maintenance-free VRSLA batteries designed for 12 year life
- 3-hour, 1-hour or bespoke back up runtimes
- Maintained, non-maintained and hold-off options available
- Low voltage cut-out to protect against over-discharge
- Charge current ammeter fitted as standard
- Automatic reset after using manual test button
- Ventilated mild steel cabinets
- Options for self-contained battery compartments
- Slave luminaires available
- Metering can include: -
  - Battery / Charger fail alarm LED
  - AC fail alarm LED
  - DIN72 analogue battery volt meter
  - Volt free form C contact set for alarm annunciation to BMS



Extensive range of replacement batteries for CBU systems and inverters available



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**Options and Accessories**

- **Output Distribution** – Internal distribution of the lighting circuits is standard, multiple output options available including single output and inrush current protection from LED lighting loads.
- **Maintenance Bypass Panel** – to provide flexibility during maintenance, service and/or repairs to the equipment. The bypass can ensure that the system is isolated from the critical load whilst work can be carried out.
- **Integral Fire Suppression** - Temperature sensitive fast acting integral fire suppression aerosol system to suppress or extinguish any fire for internal component protection and to extend system operation for critical loads during building escape due to fire
- **Phase Failure Monitoring** – Factory fitted relays to ensure that the system monitors all three phases. Failure of any phase activates the emergency lights.
- **Sub-Circuit Monitoring** – Factory fitted relays monitor external lighting circuits, if any of the external circuits fail the emergency lights are activated.
- **Lighting Control Interface** – Allows communication via a node/module to the testing and monitoring systems.
- **Fire Alarm Monitoring** – An alarm condition from the fire alarm panel will activate the emergency lights.
- **Night-Watchman Switch** – Enables switching of the emergency lights from a remote location, fail safe in an emergency condition.
- **Light Switch Control Relay** – Enables individual circuits to be controlled externally, fail safe in an emergency condition.
- **Timer Control** – Solar dials or 24hr timers can be used to activate the non-maintained contactor.
- **Earth Fault Alarm** – Monitoring of battery positive and negative for earth leakage.
- **Plinth** – For sites that are using SWA cables, a plinth may be required to raise the unit off the floor and allow the cables to be easily installed.

