

RDF SI-Pro Mini Inverter Installed at Iconic Sheffield site.



Lighting-Power-Control



Image: South Yorkshire urban regeneration area

The refurbishment of an iconic local landmark in Sheffield has resulted in a vibrant urban environment for residents to enjoy.

RDF Lighting Power and Control provided emergency lighting and street lighting solutions at the request of a Doncaster client. We were able to advise on the best cost solution by integrating our SI-Pro low-load inverters, designed specifically to support LED lighting loads in any type of building. Rather than have additional and separate emergency downlights along all corridor areas, the solution used many of the architectural spot lighting which would be powered by the inverter when required in a mains failure situation. All that was required was to ensure the appropriate fire rated cable was used for all lights designated as emergency when needed.

Our client discussed our proposals with the architect who was delighted with the proposal to increase the load rating of the inverter being used elsewhere in the project and enhance their stylish lighting design by reducing the overall lighting count. Our client commented “RDF attended a project meeting at our office and helped our electrical engineers design a solution that would be acceptable to all parties. We were particularly impressed by RDF’s knowledge around emergency lighting systems ensuring our solution both fitted with the building aesthetics whilst also ensuring the design would meet all the necessary emergency lighting Standards. In addition we saved on install costs since the inverter proposed can be built by our own electricians due to the installation friendly configuration.”



Image: RDF Si-Pro Mini, Midi, Maxi Inverters

Our RDF Si-Pro range of inverters are fully compliant to BS EN 50171 and designed to provide cover for emergency and standby lighting for loads up to 3000VA, with the smallest system providing 3 hours of cover for loads up to 400W or 500VA. Everything is contained within a single compact enclosure including 12-year VRSLA batteries, inverter, battery charger, control and alarm interface and a 6-way distribution output. The inverters can be configured to match the load requirements including changes to output distribution, controls and alarms, battery requirements and inrush needs. This configuration flexibility provides cost savings for the client rather than opting for more costly systems that are unnecessarily over-powered for the required application.

RDF have a wide range of inverters and smart addressable central systems for emergency lighting applications as well as a range of UPS systems for other back up power requirements.