



Battery Backup of Powerlouvre™ Windows

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Breezway Powerlouvre Windows require power to be operated. If the window is powered by a transformer connected directly to mains power and the electricity grid fails then the windows cannot be opened or closed. Some buildings require that the windows are operable even when electricity is not available through the electricity grid.

Breezway Powerlouvre Motor requirements:

- 24v DC
- 0.25amps of continuous operating current per motor
- 0.50amps of instantaneous startup current per motor

Battery backup systems

While the technology for battery backup systems is not complex, Breezway does not supply battery backup systems. As batteries supply DC current, Powerlouvre Motors can be operated directly from appropriately specified batteries. A simple battery backup system would involve batteries being trickle-charged from a mains power supplied battery charger. Each time the Powerlouvre Window is operated it draws power from the batteries and the trickle charge then re-charges the battery. If mains power is lost the Powerlouvre Window can be operated by drawing power from the batteries until the batteries run flat. When the mains power is restored the batteries will be re-charged.

Example: A simple battery backup system for a Powerlouvre Window

