

Powerlouvre™

Selling Guide

1 Louvre Window Benefits

- Maximise cooling, natural ventilation because no fixed panes
 - Saves electricity, money & the environment
 - Improves health & productivity
- Can be left open for ventilation during light rain
- Privacy AND ventilation using solid/obscure blades and partial opening
- Shading AND ventilation using solid/tinted blades and partial opening
- Minimal protrusions beyond outside wall reduces danger to passing pedestrians
- Easy to clean the outside of windows above ground level from inside the building
- Fully functional at tall + narrow and wide + short window shapes

2 Altair Louvre Benefits

- Widest choice of customising options (handles, colours, security, frames etc)
- Can be screened externally or internally
- 60+ years of experience, trusted brand
- Cyclone rated, cyclone proven
- Design features + non-corrosive materials = durable – handle tested to 40,000 open/close cycles, keylock tested to 15,000 open/close cycles
- Insulation equivalent to double-glazing possible with low-e glass
- Passed physical bushfire testing to BAL-40
- Passed fall prevention physical testing using optional Stronghold System
- Award winning designs (Powerlouvre and Aptivate Control Unit)
- Used in award winning buildings

3 Out of Reach Windows

POWERLOUVRE ADVANTAGES OVER RING HANDLES AND MAP RODS

- Louvres will be used more frequently because easier to operate
- With intelligent control systems – Powerlouvre will anticipate needs, not just respond to needs
- Powerlouvre is easier to operate for young, old or infirm (map rod requires strength and fine motor skills)
- Better aesthetics because no handles
- Less clutter in home because no need to store Map Rods
- Powerlouvre suits architectural/premium projects

POWERLOUVRE ADVANTAGES OVER AUTOMATED AWNING WINDOWS

- More ventilation because louvres open fully horizontally
- Better aesthetics because motors are concealed inside window frame
- Less visual distraction because no metal framing around each piece of glass

CONTINUE

4 Pricing

- Depending on blades included – total window could be 2x to 3x the price of same window with handle
- Price premium justified by comfort, convenience & aesthetic benefits (compared to other expensive home features like granite bench tops which primarily have only an aesthetic benefit)

5 Testing passed

- Operation at 40°C temperature and 95% humidity
- Operation at 0°C temperature
- 1,000 hours salt mist exposure
- 30,000 open/close cycles
- EMC (Electromagnetic Compatibility) & FCC (Federal Communications Commission)

6 Practicalities

POWER

- Low voltage
- AC to 24v DC transformers required
- Breezway transformer available - suitable for 1-6 motors
- 0.25 – 0.5 amps per motor
- Compatible with battery backup systems

MOTORS

- 2-9 blades high = 1 motor per Powerlouvre bay
- 10-18 blades high = 2 motors per Powerlouvre bay

OPENING CONFIGURATION

Powerlouvre in Breezway Frames

- 2-9 blades high = all blades in all bays of each window operate simultaneously
- 10-18 blades high = all blades in the upper half of each bay operate simultaneously and independently to the blades in the lower half of each bay

Powerlouvre Components in other frames

- Bays may operate simultaneously or independently

CONTROL

Simple wall switches

- 'Open' & 'close' bell-press switches - push and hold to operate

Appivate Control Unit

- Touch sensitive wall switch – single touch operation, or fine tuning through touch and hold
- Control via smartphone
- Automatic operation in response to timers and built-in temperature sensor
- 1 channel and 2 channel models
- Max 6 motors per channel
- No special trades required to install

Building Management System (eg C-Bus)

- Powerlouvre is compatible with all BMS systems
- May require separate transformers to provide power for opening and power for closing the Powerlouvre Windows
- BMS supplier/integrator required

SIZE RANGES

- Height = 2 blades to 18 blades (361mm to 2,611mm)
- Width per bay = 400mm (2-9 blades high) / 500mm (10-18 blades high) to 1,200mm wide – depending on site wind & water requirements
- Window width = 1-6 bays per Breezway Window System

FRAMING

Breezway Easyscreen Window System

- External screen
- Optional integrated security bars

Breezway Innoscreen Window System

- Internal screen

Powerlouvre Component System

- Install into compatible frames
- Head and sill weatherstrips required

SERVICING

- 3 year warranty on electronic components = peace of mind
- Motor is accessible via snap-in piece in head of frame