APAC Infrastructure Pty Ltd
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AL220 Aluminium Lattice Tower, 3.4m Roof Kit with Galv. Guy Wires

AP-AL220-RTK-3.4G



Key Features

- Roof mounted aluminium tower
- Engineered to 27.9 metres in Wind Region A
- Manufactured from structural grade aluminium
- Climbable guyed mast
- Extensive AL220 accessory ecosystem

Overview

APAC's AL220-Series is an extraordinarily versatile Modular Tower System (MTS), known best for its configurability and reconfigurability throughout its service life. Aluminium roof towers are popular across UHF/VHF communications, WISP POPs, weather and climate monitoring, security and public safety.

Designed and manufactured locally in Queensland, AL220 can be built as a Roof Tower, Ground-Mounted Tower, or connected to one of many APAC Modular Platforms such as our skids, jackframes, and trailers.

The AL220 modular roof mounted tower system comprises of:

- 3.1 metre lattice tower modules stacked to your chosen height
- Multi-axis hinged base
- Guy wire kits matching your requested height
- Multi-anchor guy cleats for attaching guy wires to the roof structure.

The 3.1 m sections are easily lifted and stacked, with structural engineering certification up to 21.7 metres in Wind Region C and 27.9 metres in Wind Region A. The lattice modules feature three upright chords made from 40x3 CHS with a 25x3 CHS lattice, providing incredible strength while retaining a lightweight design that can support your technician to climb the full height.

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Specification

Parameter	AP-AL220-RTK-3.4G
Physical Specifications	
System	**AL220**
Subtype	**Erexures**
Height (Nominal)	**3.4 m**
Materials	**Aluminium**
Material Finish	**Bright/Pickled Finish**
Weight	**24.3 kg**
Installation	**Roof Mounted**
Mounting	**Screw / Bolt**
Interfaces	
Installation / Attachment	
Payload Interfaces	

Installation / Attachment

Quantity	Mounting	Notes
4	Screw / Bolt	Attach Multi-Axis Base to Existing Roof Structure
6	Screw / Bolt	Attach Guy Anchor Plates to Roof

Payload Interfaces

Quantity	Interfaces	Notes
3	Pole 40 mm ⌀	For attaching ordinary equipment
1	AL220 Bolt Pattern	For attaching additional AL220 series modules/headframes
1	AL220 Triangular Uprights	For attaching AL220-specific brackets

Subcomponents

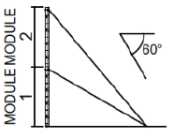
Quantity	Bundled Components
1	Multi-Axis Billet Base for AL220/AL340 Tower Series (AP-ALT-MAB)
1	AL220 Aluminium Modular Lattice Tower - Base Module (AP-AL220-BM)
1	AL220 Guy Wire Kit - Galvanised, Suit 3.4m Tower (AP-AL220-GWK-GAL-3.4)
3	Guy Wire Cleat - Multi-Anchor, Stainless Steel (AP-FST-GWCMA-SS)

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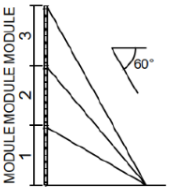
Drawing



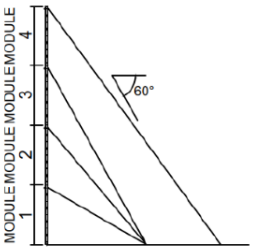
3m TOWER ELEVATION



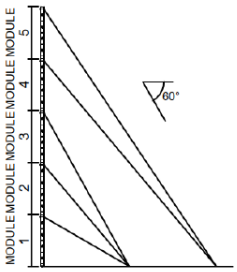
6m TOWER ELEVATION



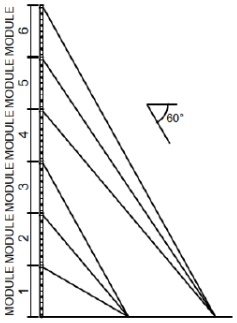
9m TOWER ELEVATION



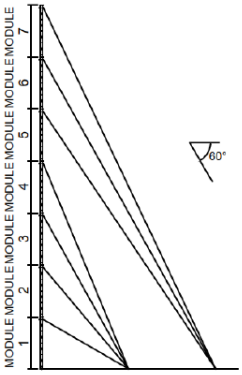
12m TOWER ELEVATION



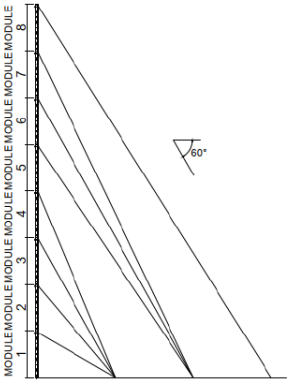
15m TOWER ELEVATION



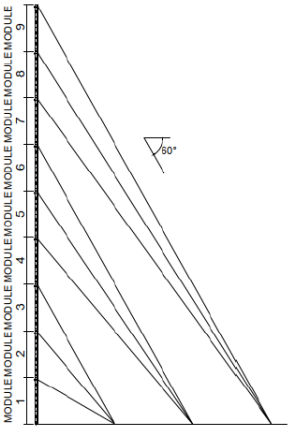
18m TOWER ELEVATION



21m TOWER ELEVATION



24m TOWER ELEVATION



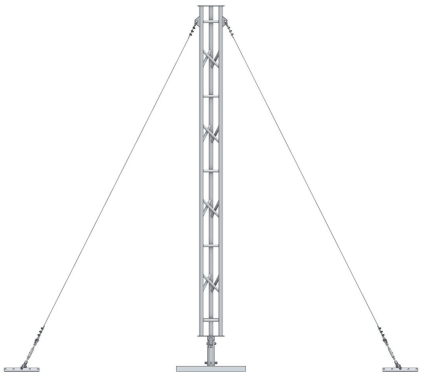
27m TOWER ELEVATION

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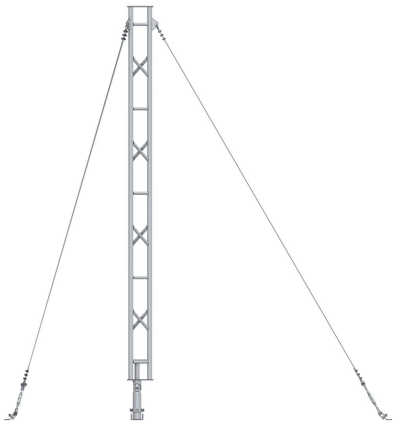
Views



Isometric



Front



Side



Top

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Variants

	AL220 Aluminium Lattice Tower, 3.4m Roof Kit with Galv. Guy Wires AP-AL220-RTK-3.4G · this datasheet
	AL220 Aluminium Lattice Tower, 6.5m Roof Kit with Galv. Guy Wires AP-AL220-RTK-6.5G
	AL220 Aluminium Lattice Tower, 9.6m Roof Kit with Galv. Guy Wires AP-AL220-RTK-9.6G
	AL220 Aluminium Lattice Tower, 12.7m Roof Kit with Galv. Guy Wires AP-AL220-RTK-12.7G
	AL220 Aluminium Lattice Tower, 15.8m Roof Kit with Galv. Guy Wires AP-AL220-RTK-15.8G
	AL220 Aluminium Lattice Tower, 18.9m Roof Kit with Galv. Guy Wires AP-AL220-RTK-18.9G
	AL220 Aluminium Lattice Tower, 22m Roof Kit with Galv. Guy Wires AP-AL220-RTK-22G
	AL220 Aluminium Lattice Tower, 25.1m Roof Kit with Galv. Guy Wires AP-AL220-RTK-25.1G
	AL220 Aluminium Lattice Tower, 3.4m Roof Kit with Stainless Guy Wires AP-AL220-RTK-3.4SS
	AL220 Aluminium Lattice Tower, 6.5m Roof Kit with Stainless Guy Wires AP-AL220-RTK-6.5SS
	AL220 Aluminium Lattice Tower, 9.6m Roof Kit with Stainless Guy Wires AP-AL220-RTK-9.6SS
	AL220 Aluminium Lattice Tower, 12.7m Roof Kit with Stainless Guy Wires AP-AL220-RTK-12.7SS
	AL220 Aluminium Lattice Tower, 15.8m Roof Kit with Stainless Guy Wires AP-AL220-RTK-15.8SS
	AL220 Aluminium Lattice Tower, 18.9m Roof Kit with Stainless Guy Wires AP-AL220-RTK-18.9SS



AL220 Aluminium Lattice Tower, 22m Roof Kit with Stainless Guy Wires
AP-AL220-RTK-22SS



AL220 Aluminium Lattice Tower, 25.1m Roof Kit with Stainless Guy Wires
AP-AL220-RTK-25.1SS

Australian designed and manufactured infrastructure for public safety and first response, built on the Sunshine Coast, Queensland. Need a variation on this design? Our team can engineer it to suit your site.

Contact us

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Specifications, dimensions and weights are nominal, correct at the date of issue and subject to change without notice. Images are for illustration and may show optional equipment. Confirm suitability for your site, including wind region and mounting surface, with APAC before ordering, and install in accordance with APAC's instructions and the relevant Australian Standards.

Issued 3 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/mounting-structures/al220-aluminium-lattice-tower-roof-mounted-kit-217m?v=440

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