APAC Infrastructure Pty Ltd
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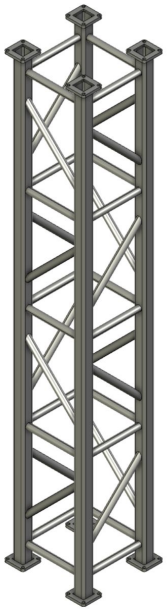
ALS500 Aluminium Modular Square Lattice Tower - 3.1m Section

AP-ALS500-LM



Key Features

- Rigid stackable square-leg design
- High strength-to-weight ratio
- 500 mm wide body
- 3100 mm modular lengths

Overview

This item is a 3.1 metre lattice module that is used to build ALS500 series free-standing lattice towers. As a modular design, the tower section can be used and reused across a range of different platforms, with base kits available for attaching to skids, trailers, ground-mount footings, and more. The tower has a nominal 500 mm face width.

APAC's ALS500 series lattice modules feature 4 upright columns made from 76.2x6.35 SHS (6082-T5) with 40x3 CHS lattice (6060-T5) welded in between by certified boom welders, providing incredible strength while retaining a lightweight design. Each module is chemically cleaned and treated by hand, producing a brilliant finish.

These sections are 3100 mm in length allowing shipment anywhere in the globe. Spare modules have been listed for purchase separately for engineers seeking to build their own system, or as spares to extend the height of existing ALS500 towers.

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Specification

Parameter	AP-ALS500-LM
Physical Specifications	
System	**ALS500**
Subtype	**Erexures**
Height (Nominal)	**3.1 m**
Materials	**Aluminium**
Material Finish	**Bright/Pickled Finish**
Weight	**72.3 kg**
Installation	**Platform / Substructure**
Mounting	**ALS500 Bolt Pattern**
Interfaces	
Installation / Attachment	**Quantity** | **Mounting** | **Notes** 1 | ALS500 Bolt Pattern | Attaches to ALS500 series substructures (or suitable bolt cage)
Payload Interfaces	**Quantity** | **Interfaces** | **Notes** 1 | ALS500 Bolt Pattern | For attaching additional ALS500 series modules/headframes

Subcomponents

Quantity	Item	Materials	Material Finish
4	76.2x6.35 SHS Chords	Aluminium 6082-T5	Bright/Pickled Finish
1	40x3 CHS Welded Lattice	Aluminium 6060-T5	Bright/Pickled Finish
1	16 mm Flanges, 135 mm Square, Top and Bottom	Aluminium	Bright/Pickled Finish

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Variants

	ALS500 Aluminium Modular Square Lattice Tower - 3.1m Section AP-ALS500-LM · this datasheet
	ALS500 Aluminium Modular Square Lattice Tower - 3.1m Base Module AP-ALS500-BM

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 26 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/mounting-structures/als500-aluminium-modular-square-lattice-tower-31m-section?v=537

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