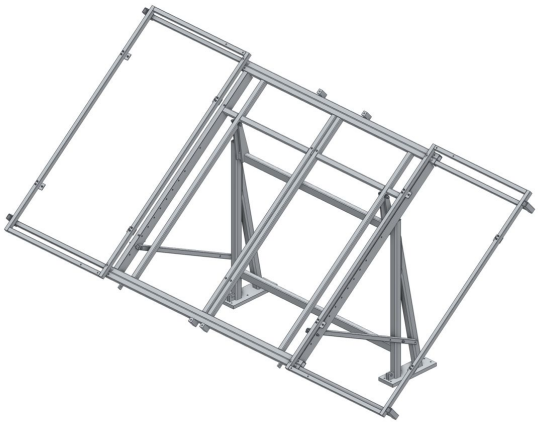
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Four-Panel Tilting Aluminium Solar Frame with Slide-Out Wings, 2323 x 1134mm Modules

AP-ASF-4PFS-2323x1134



Key Features

- Four-panel aluminium solar frame, modules in portrait
- Two fixed modules and two slide-out wings
- Wings stow over the fixed pair, inside the platform, for transport
- Panel tilt adjustable from 15° to 49°, clear of a centred AL340 tower
- Modules bolt through their own mounting holes, no rails or clamps
- Bolts down on the DTP3 grid, or welds on; stainless fixings

Overview

This four-panel tilting solar frame doubles the AP-ASF-2PF's array on the DTP3 platforms such as the AP-DTP3SK skid. Two modules in portrait are fixed to the tilting frame, and one more on a wing each side. For transport the wings stow over the fixed pair, the whole frame inside the platform's length; on site each wing slides out 1146 mm on aluminium runners in sleeves along the frame's top and bottom, giving a 4660 mm array, and is pinned out with stainless locking pins. The runners ride on UHMW-PE wear pads, with no ball-bearing slides to clog on dusty sites.

Each variation is fitted to one module size: the modules bolt with four M8 bolts through their own mounting holes, the fixed pair to the frame's verticals and the wings' to tabs on their rings, so there are no rails or clamps, and the bolts come with the frame. Modules are not included. The wings are separate weldments, so the frame can start with its two fixed modules and take the wings later.

An aluminium stand of two 76 mm SHS posts with 76 mm SHS braces carries the frame on M16 pivot bolts, high enough that the panels clear a centred AL340 tower at every setting. Two support arms run from the posts to a row of holes in the frame's outer verticals: with three holes at the arm's post end and ten in the frame, the panels set at 15° to 49° to the horizontal in steps of under 3°. For transport the frame latches vertical. The posts stand 2000 mm apart, over a DTP3 platform's inner mounting runners, on 32 mm foot plates that each take six M12 bolts on the DTP3 hole grid, or can be welded on for permanent installations. All its fixings are stainless steel.

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Specification

Parameter	AP-ASF-4PFS-2323x1134
Physical Specification	
System	**DTP3**
Subtype	**Solar Bracket**
Materials	**Aluminium**
Material Finish	**Bright/Pickled Finish**
Mounting	**Screw / Bolt**
Dimensions	**1,966 × 4,852 × 2,338 mm**
Weight	**143.3 kg**
Interfaces	
Installation / Attachment	**Quantity** | **Mounting** | **Notes** 12 | Screw / Bolt | Two 177.8 x 550 x 32 mm foot plates at 2000 mm centres, six Ø14 holes each on the DTP3 grid for M12 bolts (or welded)
Available Interfaces	**Quantity** | **Interfaces** | **Notes** 16 | Screw / Bolt | Four 2323 x 1134 mm modules in portrait, each on four M8 bolts through its 1400 x 1095 mm mounting holes

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Subcomponents

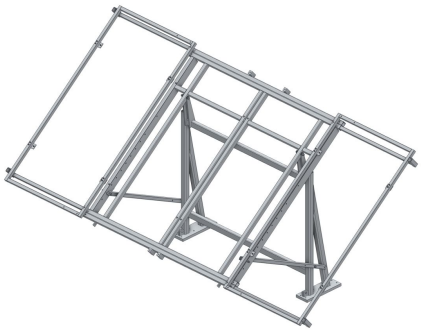
Quantity	Item	Materials	Material Finish
1	Solar Stand: 76.2x6.35 SHS Posts and 79° Braces, 75x50x3 RHS Crossbeams, 32 mm Foot Plates, 12 mm Hinge Plates and Stow Latch Clevises, Welded	Aluminium	Bright/Pickled Finish
1	Tilting Frame, 2438 x 2323 mm: 50.8x3.2 SHS Sleeves, 50.8x4 SHS and 100x50x3 RHS Verticals, Pivot Rail, Lock Bosses, Stow Ties, Welded	Aluminium	Bright/Pickled Finish
2	Support Arm, 40x40x4 SHS, Three Post-End Holes	Aluminium	Bright/Pickled Finish
2	Slide-Out Wing: 40x40x4 SHS Module Ring and Runners, 50.8x4 SHS End Bridges, Welded	Aluminium	Bright/Pickled Finish
8	Module Tab, 5 mm Plate	Aluminium	Bright/Pickled Finish
32	Wear Pad, UHMW-PE, 2 x 30 x 60 mm	Plastic	
2	Crush Sleeve, 17.2x2.3 CHS	Stainless Steel	
2	Arm Spacer, 10 mm	Aluminium	Bright/Pickled Finish
2	Arm Spacer, 25 mm	Aluminium	Bright/Pickled Finish
4	Locking Pin, Ø12, Ring Handle, Long (Wings Out)	Stainless Steel	
4	Locking Pin, Ø12, Ring Handle, Short (Wings Stowed)	Stainless Steel	
4	Stow Tie Pin, Ø12 (Wings Stowed)	Stainless Steel	
2	Stow Latch Pin, Ø12	Stainless Steel	
14	R-Clip	Stainless Steel	

Quantity	Bundled Components
2	Hex Bolt, Stainless Steel - M16 x 110mm Standard Thread (AP-FSS-HXB-M16-110)
2	Hex Nut, Stainless Steel - M16 Standard Thread (AP-FSS-HXN-M16)
4	Flat Washer, Stainless Steel - M16 (AP-FSS-FW-M16)
2	Hex Bolt, Stainless Steel - M12 x 150mm Standard Thread (AP-FSS-HXB-M12-150)
2	Hex Bolt, Stainless Steel - M12 x 140mm Standard Thread (AP-FSS-HXB-M12-140)
4	Hex Nut, Stainless Steel - M12 Standard Thread (AP-FSS-HXN-M12)
8	Flat Washer, Stainless Steel - M12 (AP-FSS-FW-M12)
16	Hex Bolt, Stainless Steel - M8 x 60mm Standard Thread (AP-FSS-HXB-M8-60)
4	Hex Bolt, Stainless Steel - M8 x 70mm Standard Thread (AP-FSS-HXB-M8-70)
4	Hex Bolt, Stainless Steel - M8 x 120mm Standard Thread (AP-FSS-HXB-M8-120)

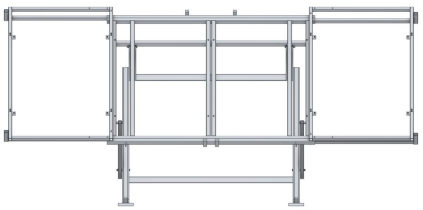
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Quantity	Bundled Components
8	Hex Bolt, Stainless Steel - M8 x 20mm Standard Thread (AP-FSS-HXB-M8-20)
32	Nylock Nut, Stainless Steel - M8 Standard Thread (AP-FSS-NYN-M8)
40	Flat Washer, Stainless Steel - M8 (AP-FSS-FW-M8)

Views



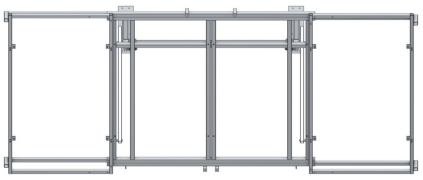
Isometric



Front



Side



Top

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 27 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/bracketry/four-panel-tilting-aluminium-solar-frame-slide-out-wings-suit-dtp3?v=846

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