

		SunLock v2 Channel / Feet		created	JM
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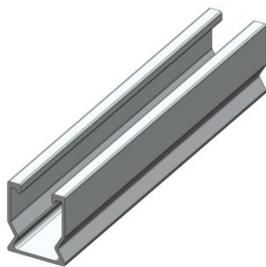
INTRODUCTION

SunLock v2 channel is a lightweight and durable aluminium channel, suitable as a stand-alone frame or for use as an additional sub-frame to support SunLock solar PV frames. It is extruded from 6106-T6 aluminium for high strength and durability, and is available in custom lengths upon request.

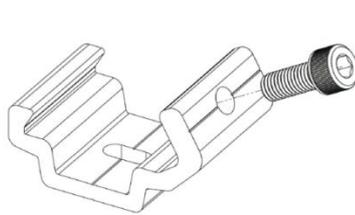
The taller design also allows the channel to safely route cables and connectors without the need for additional clips or cable ties.

SunLock channel feet provide a simple method of attaching the channel to the roof. The feet (extruded from 6106-T6 aluminium) are available in two types:

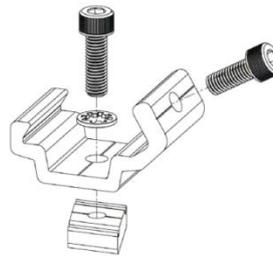
- SLCF01 – to attach to a purlin via one 14 gauge roofing screw.
- SLCF02 – to attach to a sub-frame of SunLock channel via M8 socket head cap screws.
- SLCF03 - to attach to a purlin via two 14 gauge roofing screws (when extra fixing capacity is required).



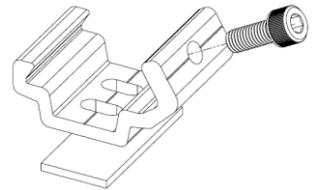
SL2C



SLCF01



SLCF02



SLCF03

The v2 channel and feet can be used in conjunction with the standard SunLock channel joiners and channel lid.

GUIDE TO USE

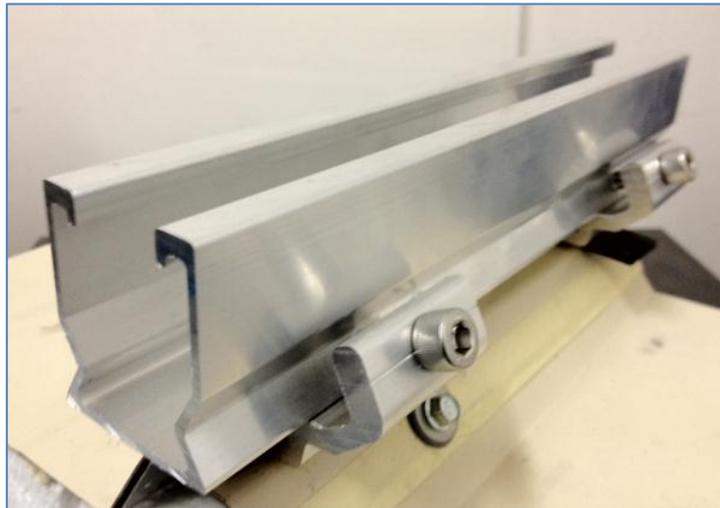
The following guide illustrates how to install SunLock v2 channel and feet in a typical commercial application:

1. Identify where the PV array, railing should be located on the roof and identify which existing fixings need to be utilised.
2. Remove existing roofing screws. Place slotted channel feet (SLCF01/03) directly over holes in the roof sheeting ensuring an EPDM washer separates both items. Secure with suitable roofing screw/s.
3. Repeat Step 2 and make sure that all adjacent channel feet are parallel to each other.



Channel feet (SLCF01) fastened to roof sheet (w/ EPDM washers / roof screws)

4. Place lengths of channel into cavity of the feet. Make sure that the cap screws are loosened enough to ensure channel can be inserted easily. Once aligned properly, securely tighten cap screws.



SunLock channel (SL2C) fastened to feet

5. To another layer of channel is to be built on top, place channel foot (SLCF02) on top of the channel, ensuring the nut fully engages with the internal lips of the channel. Make sure the channel foot is aligned perpendicular to the lower feet. Slide into desired position and tighten cap screws.



Channel foot (SLCF02) mounted on top of SunLock Channel

6. Place the upper lengths of channel into cavity of the feet. Make sure that the cap screws are loosened enough to ensure the channel can be easily inserted. Once aligned properly, securely tighten cap screws.



SunLock channel (SL2C) fastened to feet

7. Once the final layer of channel has been installed, L-feet and fixed tilt brackets can be mounted directly on top with M8 stainless steel cap screws. PV panels can be mounted directly onto the channel if required.

To determine how many fixing points are required, refer to the previous technical bulletin on SunLock channel for details:

http://sunlock.com.au/pdf/TechBulletin_Channel_1.1.pdf

TECHNICAL & SUPPLY CHAIN INFORMATION

SunLock Channel

Sales code	SL2C-CL/m SL2C6.0
Material	Aluminium 6106-T6
Australian Standard Certification	Certificate of structural adequacy to AS/NZS1170.2:2011 as included in the SunLock installation manual.

SunLock Channel Feet

Sales code	SLCF01 / SLCF02 / SLCF03
Material	Aluminium 6106-T6, with stainless steel fasteners.
Australian Standard Certification	n/a

SunLock Channel Joiner

Sales code	SLCJ
Material	Aluminium 6106-T6, with stainless steel fasteners.
Australian Standard Certification	n/a

SunLock Channel Lid

Sales code	SLCL-CL/m SLCL3.0
Material	Aluminium 6106-T6
Australian Standard Certification	n/a

FURTHER INFORMATION

For further information contact Apollo Energy on 1300 855 484 or sunlock@apolloenergy.com.au.

