

Solar Mounting — Strut Channel & Rails

Roll-formed 41×41 strut channel, C-rails and purlins for PV arrays

Roll-formed steel channels and rails for photovoltaic mounting: 41×41 strut channel with a slotted back, C-section rails and light purlins. Member size follows the module layout and the governing wind uplift.

Sections

Section	Typical detail
Strut channel 41 × 41 mm	Slotted back, 21 mm or 25 mm slot pitch
Strut channel 41 × 21 mm	Shallow channel for light rails
Back-to-back 41 × 82 mm	Doubled rigidity where spans are long
C-rail / PV purlin	Roll-formed C section, sized to the span and load

Data that is usually specified

Thickness	1.5 / 2.0 / 2.5 mm typical for strut channel
Length	3 m and 6 m standard; cut to order
Finish	Hot-dip galvanised to ISO 1461, or pre-galvanised coil
Governing load	Wind uplift usually governs the member size; snow and dead load decide the rest
Fixing	Channel nuts, clamps and brackets to the module frame

Standards referenced

ISO 1461 (hot dip galvanised coatings on fabricated iron and steel articles) · EN 10346 (continuously hot-dip coated steel flat products) · EN 1993-1-3 and AISI S100 (cold-formed steel design, the basis for member capacity) · local wind load codes (AS/NZS 1170.2, ASCE 7, EN 1991-1-4) govern the load case

Need a quote? Send the module size, row layout, wind/snow load and total kW or linear metres.

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