

Mounting company: CWF GmbH

Version: A5

Date: 2025/3/7

Canadian Solar and CWF hereby confirm that the mounting parts and module types mentioned in the following table are fully compatible. This letter is valid for one year following the date it was issued and may be renewed at expiration after evaluation of the information available at that time.

Module type	Frame Type	Module datasheet version*	Module dimensions L x W x H mm	Mounting Method	CWF version	CWF Rail version	Max test load (Pa)
CS7N-xxxMS CS7L-xxxMS	F63	CS-Datasheet-HiKu7_CS7N-MS_v2.81_F63_EN_645-675W CS-Datasheet-HiKu7_CS7L-MS_v2.81_F63_EN_585-615W	2384 x 1303 x 35 2172 x 1303 x 35	case 1	Vario SMART Vario KS	Aluminum: V7/V7+/V8	+2400 / -2400
				case 4			+2000 / -2000
CS7N-xxxTB-AG	F43M	CS-Datasheet-TOPBiHiKu7_CS7N-TB-AG_v1.7C1_F43M_EN_685-715W	2384 x 1303 x 35	case 1	Vario SMART Vario KS	Aluminum: V7/V7+/V8	+2800 / -2400
				case 3			+2600 / -2000
				case 4			+2600 / -2000
CS7N-xxxMB-AG	F43M	CS-Datasheet-BiHiKu7_CS7N-MB-AG_v2.42_F43M_EN_640-670W	2384 x 1303 x 35	case 1	Vario SMART Vario KS	Aluminum: V7/V7+/V8	+2800 / -2400
				case 3			+2600 / -2000
				case 4			+2600 / -2000
CS6W-xxxTB-AG	F47	CS-Datasheet-TOPBiHiKu6-TOPCon_CS6W-TB-AG_v1.9_EN-1	2278 x 1134 x 30	case 1	Vario SMART Vario KS	Aluminum: V7/V7+/V8 Steel: VS-ES-30-1.5	+3600 / -2400
				case 3			+2800 / -2400
				case 4			+2600 / -2400
CS6.1-72TB-xxx CS6.1-72TD-xxx CS6.2-66TB-xxx	F67	CS-Datasheet-TOPBiHiKu6_CS6.1-72TB_v1.8_F67_EN_595-625W CS-Datasheet-TOPHiKu6_CS6.1-72TD_v1.7_F67_EN_600-630W CS-Datasheet-TOPBiHiKu6_CS6.2-66TB_v1.3_F67_EN_600-630W	2382 x 1134 x 30	case 1	Vario SMART Vario KS	Aluminum: V7/V7+/V8 Steel: VS-ES-30-1.5	+3600 / -2400
				case 3			+2800 / -2400
				case 4			+2600 / -2400
CS6.1-72TB-xxx	F43	CS-Datasheet-TOPBiHiKu6_CS6.1-72TB_v1.7C1_F43_EN_590-620W	2382 x 1134 x 35	case 1	Vario SMART Vario KS	Aluminum: V7/V7+/V8 Steel: VS-ES-35-1.5	+3600 / -2400
				case 3			+3000 / -2400
				case 4			+3000 / -2400
CS6.2-66TB-H1-xxx	F43	CS-Datasheet-TOPBiHiKu6_CS6.2-66TB-H1_v1.0_F43_EN_600-630W_PRE	2382 x 1134 x 35	case 1	Vario SMART Vario KS	Aluminum: V7/V7+/V8 Steel: VS-ES-35-1.5	+3600 / -2400
				case 3			+3000 / -2400
				case 4			+3000 / -2400
CS6.1-60TB-xxx	F67	CS-Datasheet-TOPBiHiKu6_CS6.1-60TB_Black Frame_v1.8W12_F67_EN_490-515W	1994 x 1134 x 30	case 3	Vario SMART Vario KS	Aluminum: V7/V7+/V8 Steel: VS-ES-30-1.5	+3000 / -2400
CS6.2-48TD-xxx	F47	CS-Datasheet-TOPHiKu6_CS6.2-48TD_Black Frame_v1.1W15_F47_EN_435-460W_PRE CS-Datasheet-TOPHiKu6_All-Black_CS6.2-48TD_v1.1W15_F47_EN_430-455W_PRE	1762 x 1134 x 30	case 2	Vario SMART Vario KS	Aluminum: V7/V7+/V8 Steel: VS-ES-30-1.5	+2000 / -2000
CS6.1-54TB-xxx	F45	CS-Datasheet-TOPBiHiKu6_CS6.1-54TB_v1.1W12_F45_EN_430-460W	1800 x 1134 x 30	case 2	Vario SMART Vario KS	Aluminum: V7/V7+/V8 Steel: VS-ES-30-1.5	+1600 / -1600
CS6.1-54TB	F75	CS-Datasheet-TOPBiHiKu6_CS6.1-54TB_v1.3W12_F75_EN_430-460W	1800 x 1134 x 30	case 2	Vario SMART Vario KS	Aluminum: V7/V7+/V8 Steel: VS-ES-30-1.5	+1600 / -1600
CS6.1-54TB-xxx	F23	CS-Datasheet-TOPBiHiKu6_CS6.1-54TB Silver Frame_v1.1W12_F23_EN_430-460W CS-Datasheet-TOPBiHiKu6_CS6.1-54TB Black Frame_v1.1W25_F23_EN_430-460W	1800 x 1134 x 35	case 2	Vario SMART Vario KS	Aluminum: V7/V7+/V8	+2400 / -2400
CS6.1-54TB2-xxx	F43	CS-Datasheet-TOPBiHiKu6_CS6.1-54TB2_v1.0C2_F43_EN_435-465W	1800 x 1134 x 35	case 2	Vario SMART Vario KS	Aluminum: V7/V7+/V8	+2400 / -2400

Notes:

case 1: 0% overhang - CWF rail completely wraps the frame without cantilever. Distance **A** must be $\geq 2 \cdot L$. Distance **B** should be $\geq 0.5 \cdot L$. Refer to the figure on page 1.

case 2: 20% overhang - CWF wraps $0.8 \cdot W$ of the frame, cantilever $0.2 \cdot W$ of the frame. Distance **A** must be $\geq 2 \cdot W$. Distance **B** must be $\geq 0.5 \cdot W$. Overhang **C** must be $0.2 \cdot W$. Refer to the figure on page 1.

case 3: 25% overhang - CWF wraps $0.75 \cdot L$ of the frame and the cantilever $0.25 \cdot L$ of the frame. Distance **A** must be $\geq 2 \cdot L$. Distance **B** must be $0.5 \cdot L$. Overhang **C** must be between $0.2 \cdot L$ and $0.25 \cdot L$. Refer to the figure on page 1.

case 4: 0% overhang at the bottom of the table and 25% overhang at the top of the table - CWF rail completely wraps the frame of the bottom module and $0.75 \cdot L$ of the frame length of the top module, without cantilever on the bottom module frame and cantilever of $0.25 \cdot L$ of the top module frame respectively. Distance **A** must be $\geq 2 \cdot L$. Distance **B** must be $0.5 \cdot L$. Overhang **C** must be $0.25 \cdot L$. Refer to the figure on page 1.

For installations complying with IEC 61215-2: 2021 and UL 61730, a safety factor of 1.5 should be applied for calculating the equivalent maximum authorized design loads.

The load values in the table are uniform load test results. The influence of uneven distribution load should be considered in project design.

This compatibility letter replaces any previous compatibility letter version issued before.

* This compatibility letter applies to deliveries of modules using the above mentioned frame, even when the datasheet version may be earlier or later than the one mentioned in this document as long as the frame type remains the same.

Assumption is taken that the CWF mounting hardware can bare the above maximum approved test loads. Any damage caused to the module due to deformation of the CWF mounting rail, shall not be covered by the CSI limited warranty statement.

Appendix A: Manual

Module Installation manuals:

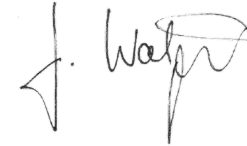
CSI_Installation-Manual_PV-Modules_EN-v2.7-EN

Racking installation Manuals:

CWF_Montageanleitung_Zweifuß-System-SMART_dt. 12-103-2022
Installationsanleitung_ANNEX_Montage vom Stopper_Index 03



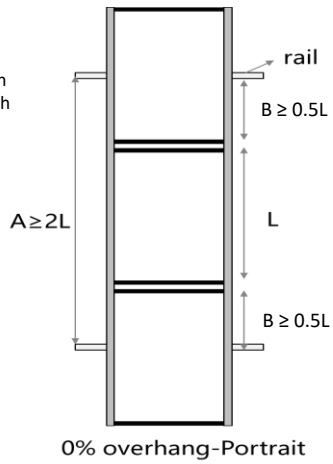
Yuanjie Yu
Associate Director
CSI Solar Co., Ltd
yuanjie.yu@csisolar.com March 10th. 2025



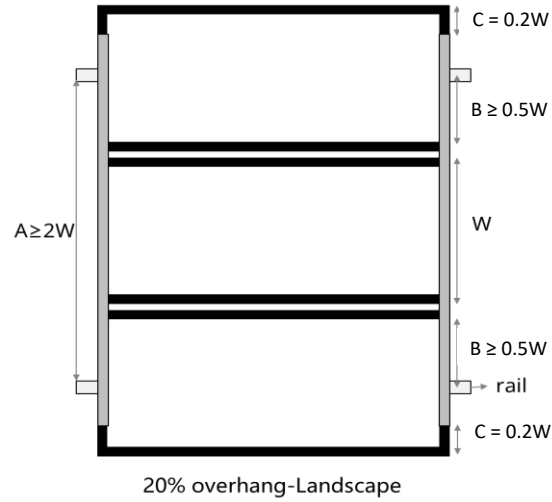
Jürgen Wolpert
CEO
CWF GmbH
Juergen.wolpert@cwf-gmbh.de

Appendix B: Mounting Method

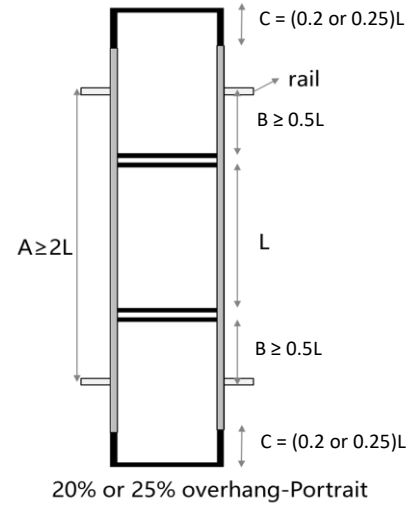
L = module Length
W = module Width



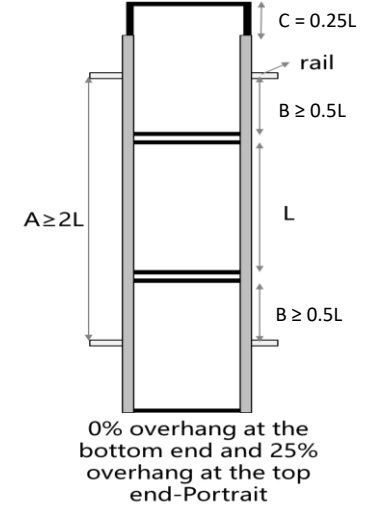
Case 1



Case 2

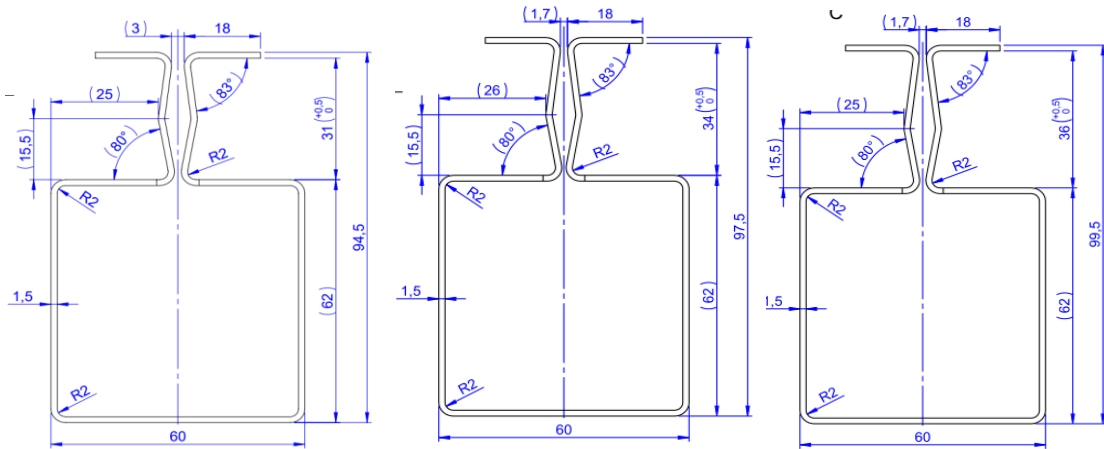


Case 3

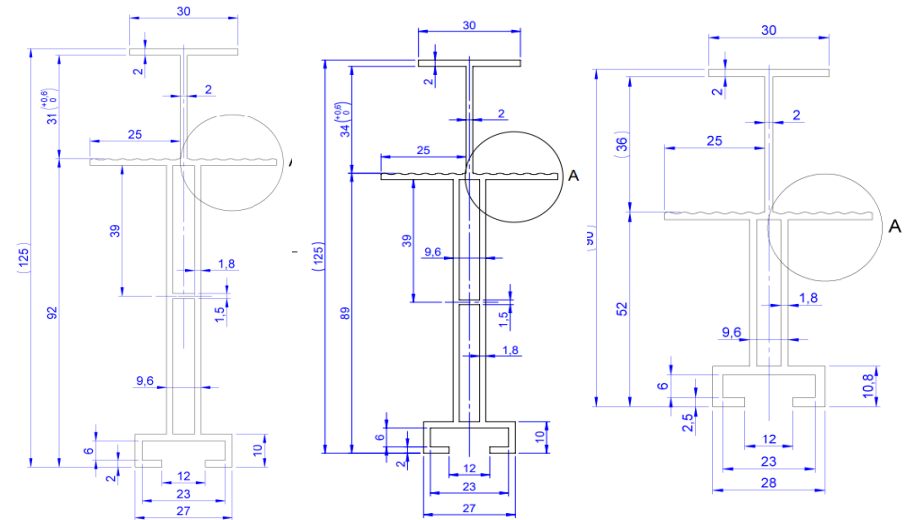


Case 4

Appendix C: Section Profile



Steel rail(suit for 30/33/35mm height)



Aluminum rail(suit for 30/33/35mm height)