



Uniteck 300 B Basic Bracket Instruction Manual

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Uniteck 300 B Basic Bracket



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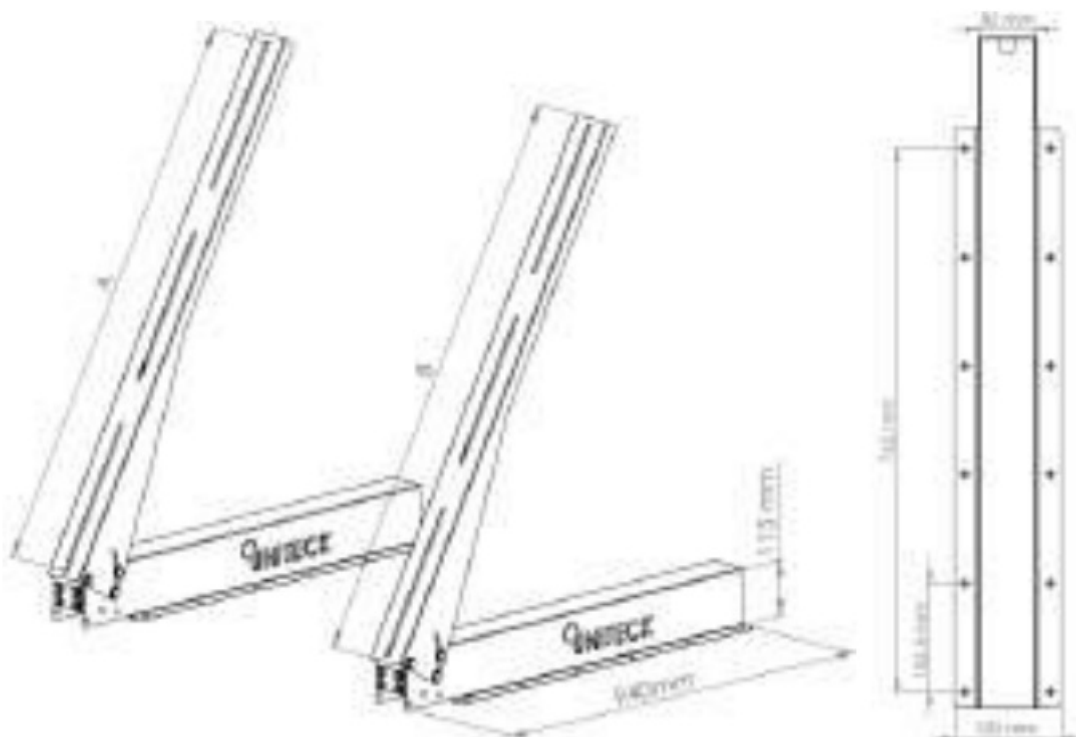
Dear Customer

Dear customer, thank you for purchasing one of our Uniteck products. Please read all the instructions carefully and thoroughly before using the product.

UNIFIX 300 B / 500 B

Unifix brackets have been specially designed to fix your Unisun photovoltaic panels or equivalent (see compatible panels part):

- Unifix B for your Unisun panels 100.12M (x2) / 100.24M (x2) / 120.12BC (x2) / 150.12M / 165.12BC / 150.24M / 200.12BC / 200.24M / 300.12M.

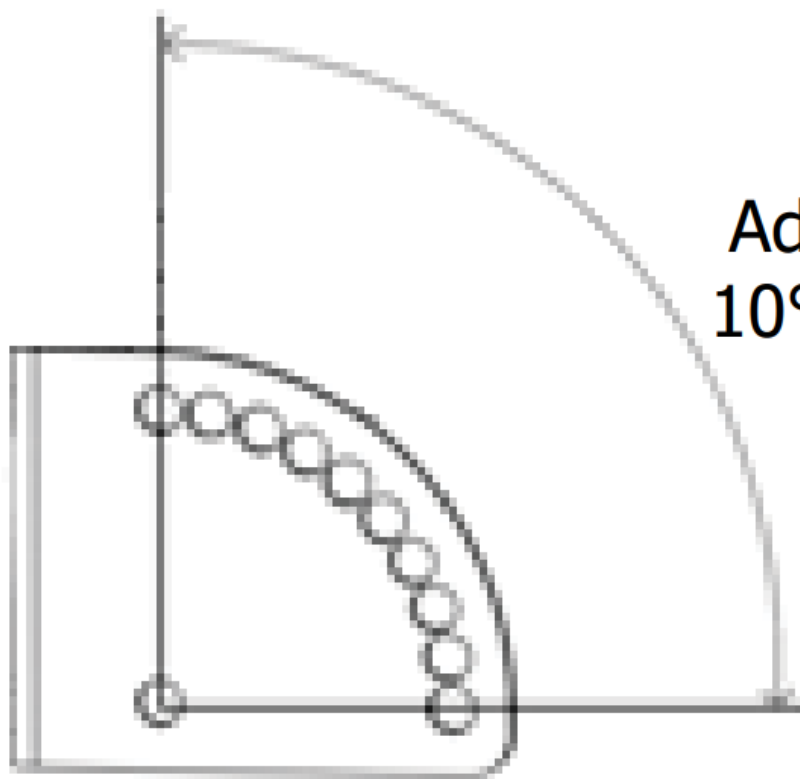


	300 B	500 B
A	1070 mm	1120 mm
B	1100 mm	1150 mm





Easy to install, Unifix B can be fixed on a horizontal or vertical flat surface (e.g. wall, concrete floor, wood frame).

With their galvanized steel structure and corrosion-resistant stainless-steel screws, they are perfectly suited for outdoor use.

Equipped with a multi-position tilting system, Unifix brackets allow for an optimization of your panel's performance depending on the chosen orientation.



**Adjustable by
10° from 30 to
60°**

Electrical performance based on inclination and panel orientation				
	0° 	30° 	60° 	90° 
East	93%	90%	78%	55%
South-East	93%	96%	88%	66%
South	93%	100%	91%	68%
South West	93%	96%	88%	66%
West	93%	90%	78%	55%

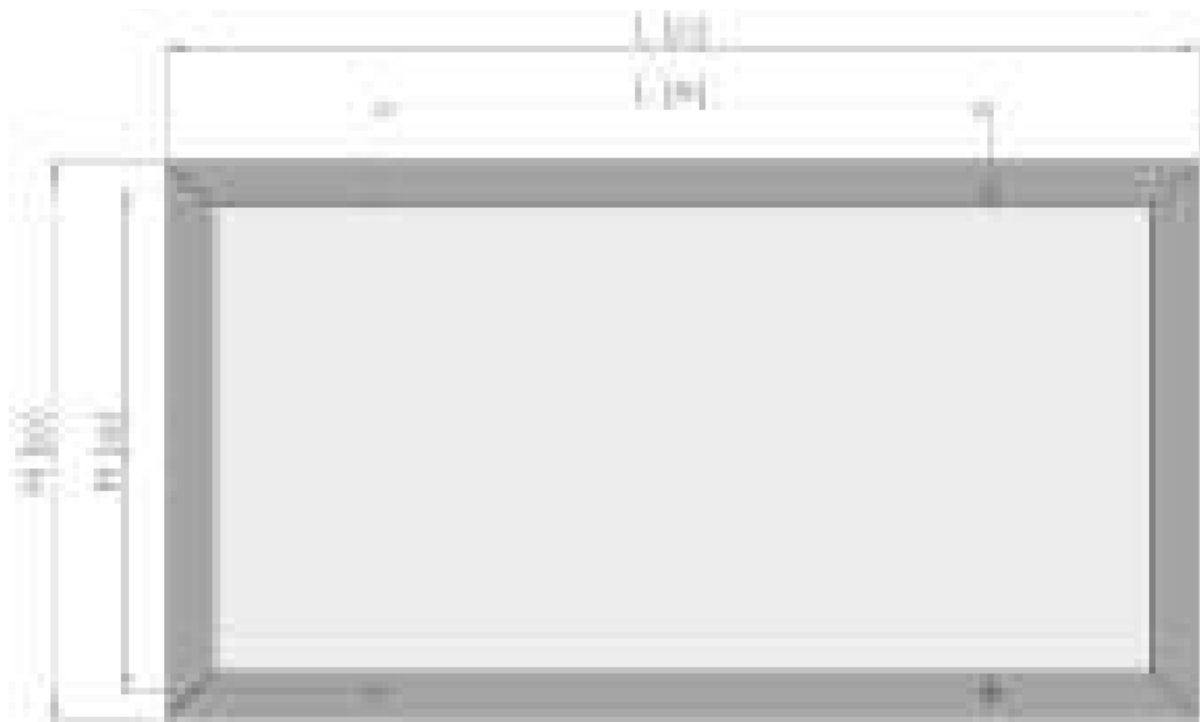
To connect the the panel / regulator / battery, we recommend that you use the Uniconnect 1.6 handy kits that optimizes your electrical performance and simplifies installation (kit for connecting 1 panel).

UNIFIX 300 B

PANEL COMPATIBILITY

With the design based on the use of oblong drilling, Unifix can be used with different kind of panels on the market.

Unifix B is meant to fix 1 or 2 panel(s), with the spacings and dimensions of panels as indicated below.



300 B		Mounting center distances (mm) H (e) L (e)		Pannel maximum dimension (mm) H (p) L (p)		Maximum weight allowed (kg)
1. Panel	Portrait	X	1070	X	1300	35
	Landscape	1070	X	1100	X	
1. Panels	Landscape	505	X	550	X	

500 B		Mounting center distance s (mm) H (e) L (e)		Pannel maximum dimension (mm) H (p) L (p)		Maximum weight allowed (kg)
1. Panel	Landscape	1120	X	1150	X	35

RECOMMENDATIONS

Mount Unifix brackets only on surfaces with sufficient bearing capacity. Consider the additional load with the panel :

Support	Panels
Unifix 300 B = 9.2 kg Unifix 500 B = 11.2 kg	Unisun 100.12M (x2) / 100.24M (x2) = 14kg / 15kg / 14kg / 9,8kg / 9,3kg / /120.12BC (x2) / 150.12M / 165.12BC / 10.8kg / 12,9kg / 13.6kg / 15.5kg 150.24M / 200.12BC / 200.24M / 300.12M

Fastening : to prevent large quantities of snow from accumulating behind the sensor, install appropriate barrier grids.

The position of the solar panel influences your electrical production. Choose the most optimal inclination and orientation that suits your environment. Avoid shaded areas or objects that are a source of shadow (eg tree).

SAFETY INSTRUCTIONS

- Take the appropriate measures to prevent accidents during your mounting steps.
- If the bracket and the mounting tools are exposed to sunlight for a long period, there is a risk of getting burnt.
Make sure to protect yourself accordingly.
- When finished, check and ensure that all of your brackets and panels are fixed properly.

UNIFIX 300 B / 500 B





Recommended tightening torque

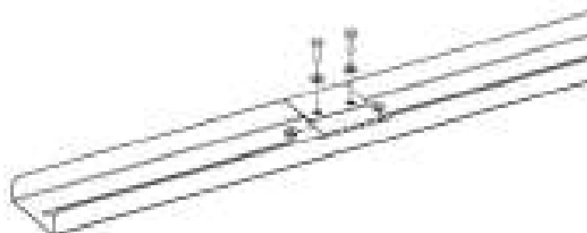
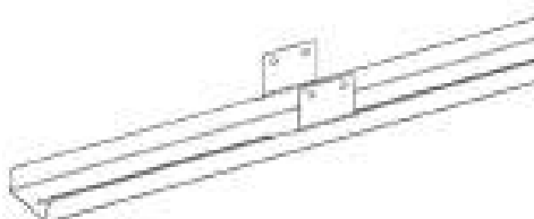
Nb. Mean coefficient of friction $\mu=0.20$ / Clamping at 50% of yield strength.

Screw	Torque
M5	5,10 Nm
M 6	8,80 Nm
M 8	21,50 Nm
M 10	44,00 Nm





PREPARATION

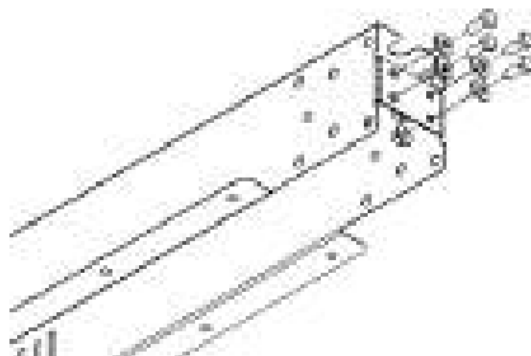
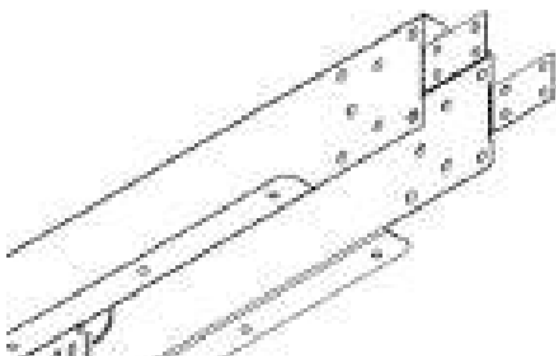
- Fold the two reinforcements by hand and screw it.

			
N°94 X2	M8x20 X4	D8 X4	M8 X4







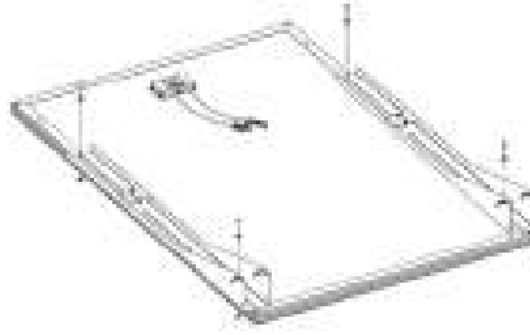
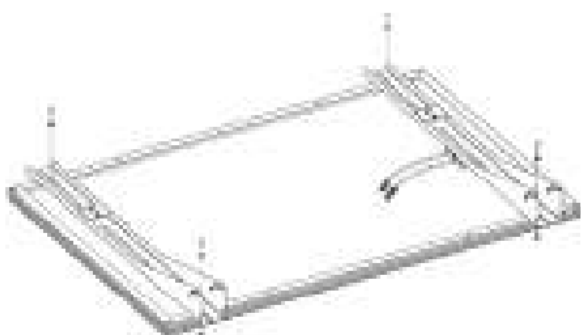
- Fold the two reinforcements by hand and screw it.

			
N°95 X2	M8x20 X8	D8 X8	M8 X8



- Fix the 2 pieces n°94 on the frame of your Unisun solar panel. Pre-tighten the nuts. The final tightening will be done at the end of the assembly.

			
N°94 X2	M8x20 X4	D8 X4	M8 X4







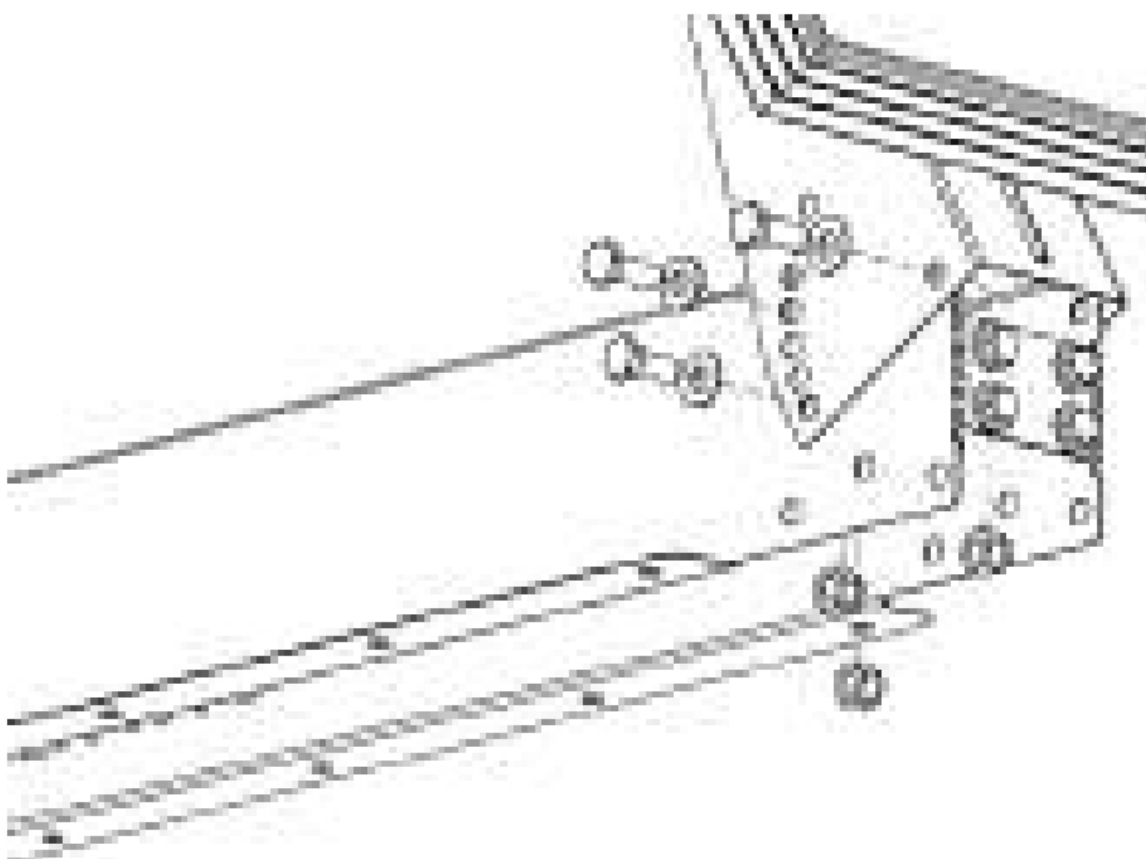
Landscape

Portrait

If necessary, drill the frame with 4 holes D=8

- Fix the 2 pieces n°95 on the pieces n°94 according to the chosen inclination.

	M10x25 X12
	D10 X12
	M10 X12
	N°95 X2



- Fix your bracket on a flat surface (hard floor or rigid wall) with 28 screws adapted to your surface (screws and dowels not supplied).



WARRANTY

The warranty covers any defect, manufacturing flaws for 1 year from the date of its purchase (Pieces and workforce).

Warranty does not cover :

- Normal wear of parts.
- Faulty mounting of bracket.

In case of failure, return the product to your distributor by attaching :

- The dated proof of purchase (receipt, bill...)
- Explanatory note of the failure.

Dear customer, thank you for purchasing one of our Uniteck products. Please read all the instructions carefully before using the product.

After-sales service contact :
Uniteck- 1 Avenue de Rome
Zae Via Europa – bâtiment Cassis
34350 Vendres -France


E-mail : sav@uniteck.fr

Customer Support

www.uniteck.fr



Documents / Resources

 <p>UNIFIX 300 B / 500 B</p> <p>1. le support baseplate p.24 2. the basic mounting bracket p.12 3. le support base p.12 4. il supporto di base p.12</p> <p>UNITECK www.uniteck.fr</p>	<p>Uniteck 300 B Basic Bracket [pdf] Instruction Manual 300 B Basic Bracket, 300 B, Basic Bracket, Bracket</p>
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References

-  [Fabricant Français](#)