

UNIFIX 100.1 WB

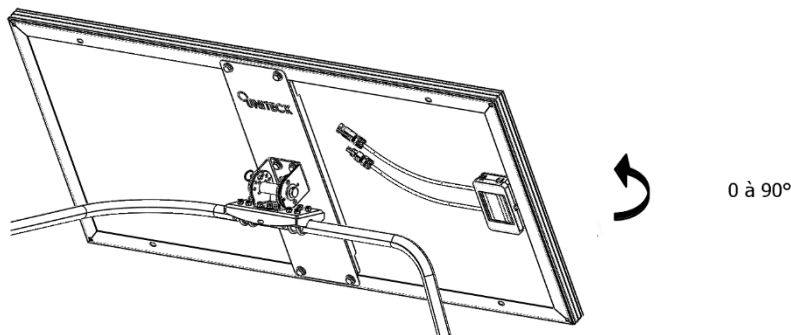


- FR** **Le support balcon** p.2-8
- EN** **The pushpit mounting bracket** p.9-15
- ES** **El soporte de fijación para balcón** p.16-22
- IT** **Il supporto di fissaggio per balcone** p.23-29

Cher client, nous vous remercions pour votre achat de l'un de nos produits Uniteck. Veuillez lire avec attention toutes les instructions avant d'utiliser le produit.

DESCRIPTION

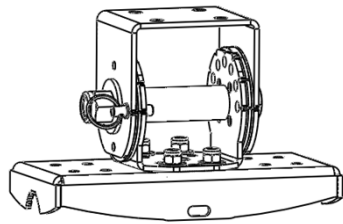
Le support Unifix 100.1 WB a été spécialement conçu pour fixer vos panneaux photovoltaïques Unisun 80.12M / 100.12M / 100.24M / 110.12BC sur votre bateau.



Il s'installe sur tous les balcons ou main courante en tube de diamètre 20 à 45 mm (longueur minimum du tube : 170 mm).

Grâce à sa structure et à la visserie en inox marine, il est parfaitement adapté pour un usage en milieu salin.

Dotés du système d'inclinaison multi-position, les supports Unifix vous permettent d'optimiser vos performances en fonction de l'orientation choisie.



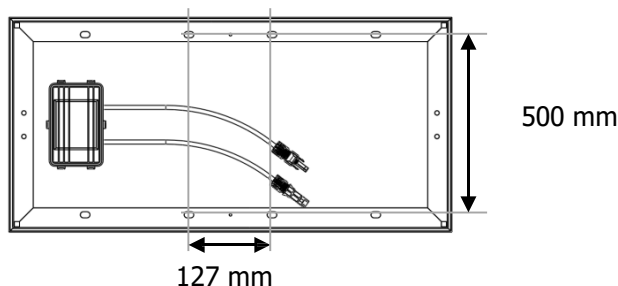
Performance électrique en fonction de l'inclinaison et de l'orientation panneau				
	0°	30°	60°	90°
Est	93%	90%	78%	55%
Sud-Est	93%	96%	88%	66%
Sud	93%	100%	91%	68%
Sud Ouest	93%	96%	88%	66%
Ouest	93%	90%	78%	55%

- Évitez les zones d'ombre ou que certains objets ne soient source d'ombre.
- Pour plus d'énergie, il est possible d'utiliser deux installations solaires :
 - panneaux avec même orientation : installation en parallèle (deux panneaux + un régulateur + un kit de câblage + connecteurs dérivation)
 - panneaux avec orientations opposées : deux installations séparées (un panneau + un régulateur + un kit de câblage) x2

UNIFIX 100.1 WB

PANNEAUX COMPATIBLES

Unfix 100.1 WB accepte 1 panneau avec 4 perçages du cadre selon les entraxes suivants :



RECOMMANDATIONS

Montez les supports Unifix uniquement sur des surfaces présentant une portance suffisante. Tenez compte de la charge supplémentaire avec panneau :

Support	Panneau
Unifix 100.1 WB = 3,0 kg	Unisun 80.12M /100.12M /100.24M /110.12BC =6,3kg / 6,8kg / 7,5.kg/ 7,0 kg

Fixation : pour éviter que de grandes quantités de neige ne s'accumulent derrière le capteur, installez en amont des grilles d'arrêt appropriées.

La disposition des capteurs influence vos performances électriques. Choisissez l'inclinaison et l'orientation la plus optimale en fonction de votre environnement. Evitez les zones d'ombre ou que certains objets ne soient source d'ombre (ex. arbre)

Avant toute fixation et connexion, veuillez respecter :

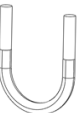
- Les distances maximum indiquées ci-dessous entre chaque élément.
- L'ordre de raccordement

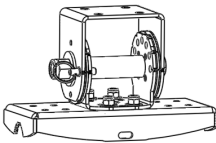
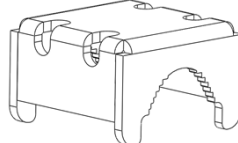
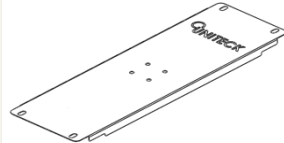
CONSIGNES DE SÉCURITÉ

- Prenez les mesures appropriées pour prévenir les accidents pendant vos travaux de montage.
- Si le support et le matériel de montage sont exposés aux rayons du soleil pendant une longue période, il y a un risque de brûlure. Protégez-vous.
- A la fin des travaux, vérifiez que vos supports et panneaux soient bien fixés

INSTALLATION - FIXATION

Liste des pièces

								
M8x20 X8	D8 X8	M8 X8	M6x16 X4	D6 X8	M6 X12	D8x15 X4	M6x53x34x25 X4	M6x74x52x35 X4

			
N°1 X1	N°2 X2	N°3 X1	X1



**Les pièces N°2 sont amovibles et glissantes.
Lors du montage, prendre une grande précaution pour éviter
les chutes par-dessus bord.**

Couple de serrage préconisé

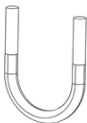
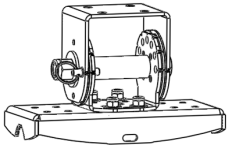
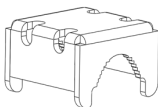
Nb. Coefficient de frottement moyen $\mu=0,20$ / Serrage à 50% de la limite élastique.

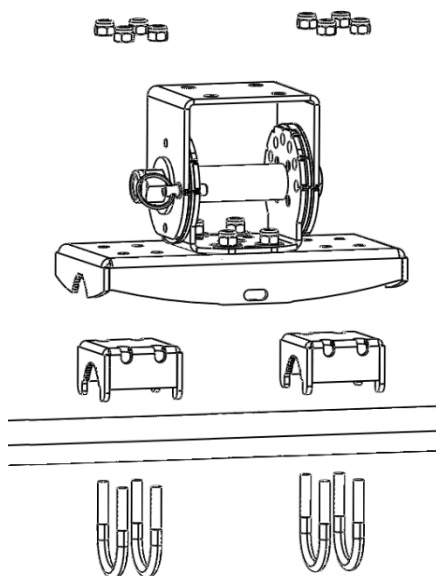
Vis	Couple
M5	5,10 Nm
M 6	8,80 Nm
M 8	21,50 Nm
M 10	44,00 Nm

INSTALLATION - FIXATION (SUITE)

Fixez la base de rotation sur votre balcon ou main courante (diamètre de 20 à 45mm).

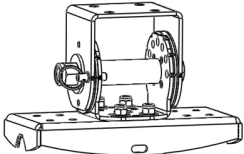
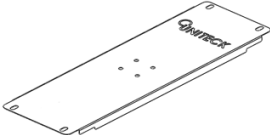
Selon le diamètre de la barre, utilisez les 4 cadènes correspondantes.

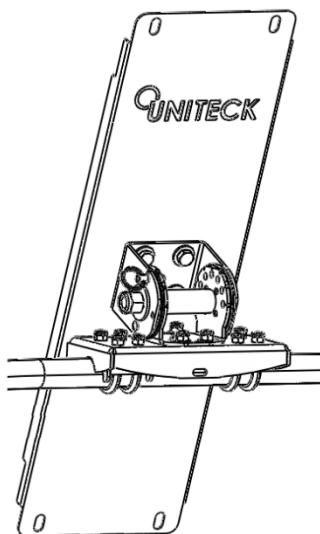
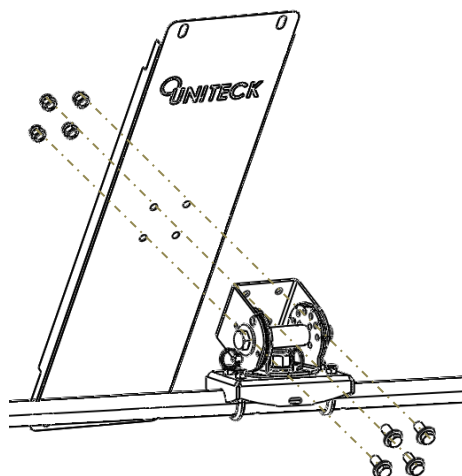
	M6x74x52x35 X4 pour barres de 28 à 45mm
	M6x53x34x25 X4 pour barres de 20 à 28mm
	D6 X8
	M6 X8
	N°1 X1
	N°2 X2



INSTALLATION - FIXATION (SUITE)

Fixez la platine N°3 sur la base de rotation N°1.

	M8x16 X4
	D8 X4
	M8 X4
	N°1 X1
	N°3 X1

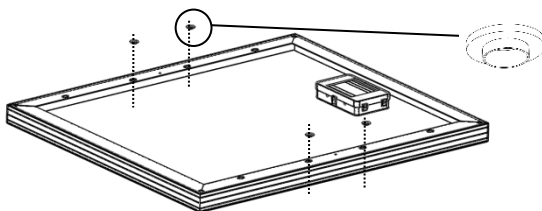


INSTALLATION - FIXATION (SUITE)

Fixez votre panneau solaire.

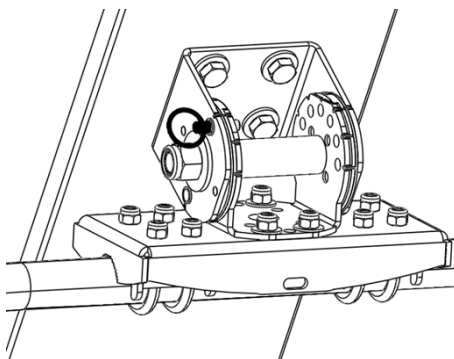
Afin d'éviter le phénomène de corrosion galvanique, positionnez la pièce isolante entre le cadre du panneau solaire en aluminium anodisé et le support en Inox.

	M8x16 X4
	D8 X4
	M8 X4
	D8 X4

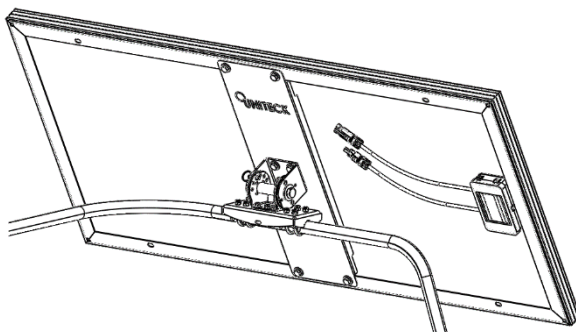


Une fois l'orientation choisie, positionnez la goupille à bille pour bloquer la rotation de l'Unifix.

	X1
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Vérifiez que votre support et votre panneau sont fixés correctement.



GARANTIE

La garantie couvre tout défaut ou vice de fabrication pendant 1 an, à compter de la date d'achat (pièces et main d'œuvre).

La garantie ne couvre pas :

- l'usure normale des pièces
- les erreurs de montage

En cas de défauts, retournez le produit à votre distributeur, en y joignant :

- un justificatif d'achat daté (ticket de sortie de caisse, facture...)
- une note explicative du défaut.

Attention : notre SAV n'accepte pas les retours en port dû.

Après la garantie, notre SAV assure les réparations après acceptation d'un devis.

Contact SAV :

UNITECK

3 Avenue de l'Europe

34310 Montady

France

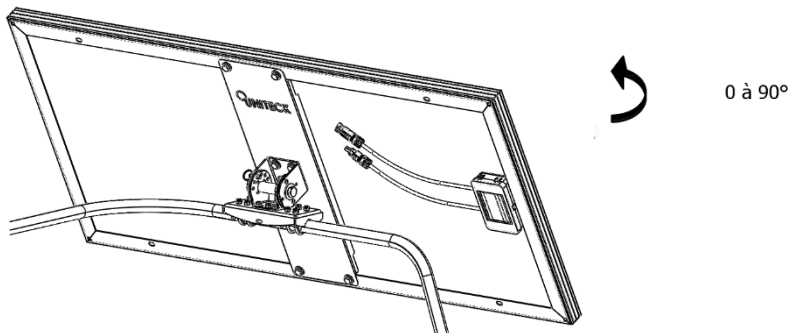
mail: sav@uniteck.fr

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

DESCRIPTION

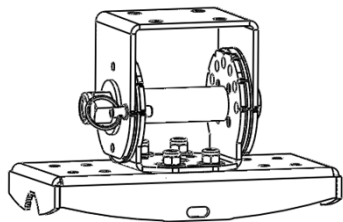
The Unifix 100.1 WB mounting bracket is especially designed to fix your Unisun 80.12M / 100.12M / 100.24M / 110.12BC photovoltaic panel on your boat.

They can be installed on all balconies or handrails with tubes diameter from 20 to 45 mm (minimum length of the tube : 170 mm).



Thanks to their structure and marine stainless steel screws and bolts, they are perfectly suited for use in saline environment.

Equipped with a multi-position tilting system, Unifix brackets optimize your panel's performance depending on the chosen orientation.



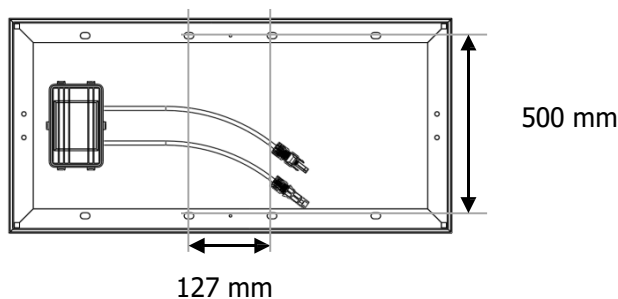
Electrical performance depending on tilt and panel orientation				
	0°	30°	60°	90°
East	93%	90%	78%	55%
South east	93%	96%	88%	66%
South	93%	100%	91%	68%
South west	93%	96%	88%	66%
West	93%	90%	78%	55%

- The adjustment of the sensors influences your electrical performance. Choose the optimum tilt and orientation according to your environment. Avoid shaded areas or objects that may cause shadows.
- For more energy, it is possible to use two solar systems:
 - panels with the same orientation: installation in parallel (two panels + one regulator + one wiring kit + parallel connectors)
 - panels with opposite orientations: two separate installations (one panel + one controller + wiring kit) x2

UNIFIX 100.1 WB

PANEL COMPATIBILITY

Unifix 100.1 WB can fix 1 panel with 4 holes in the frame at the spacing as below:



RECOMMENDATIONS

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

Support	Panel
Unifix 100.1 WB = 3,0 kg	Unisun 80.12M / 100.12M / 100.24M / 110.12BC = 6,3kg / 6,8kg / 7,5.kg/ 7,0 kg

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 to suit your environment. Avoid shaded areas or objects that are a source of shadow (eg tree)

Before attaching and connecting, please observe:

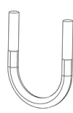
- the maximum distances between each element shown below.
- connecting order

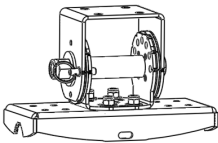
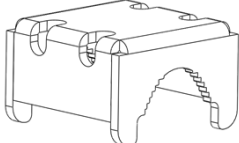
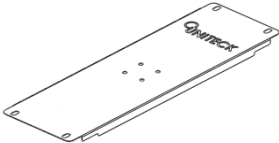
SAFETY INSTRUCTIONS

- 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.

ASSEMBLY - FIXING

Provided elements

								
M8x20 X8	D8 X8	M8 X8	M6x16 X4	D6 X8	M6 X12	D8x15 X4	M6x53x34x25 X4	M6x74x52x35 X4

			
N°1 X1	N°2 X2	N°3 X1	X1



**The items N°2 are sliding and removable pieces.
During the assembly, take all the appropriate measures to
prevent the pieces from falling overboard.**

Recommended tightening torque

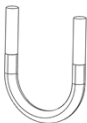
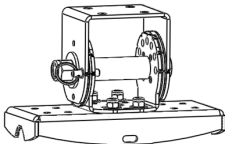
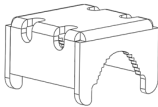
Nb. Average friction coefficient $\mu=0,20$ / Tightening at 50% of the elastic limit.

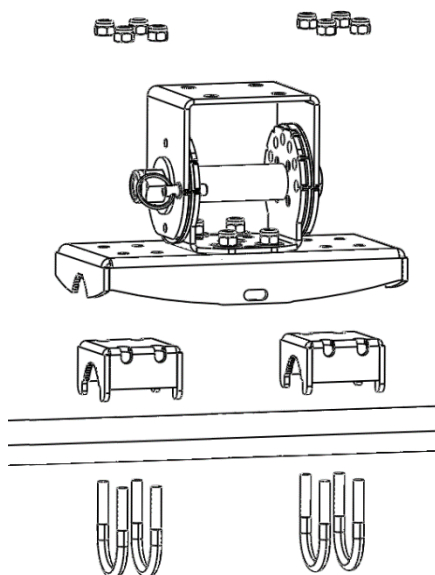
Screw	Torque
M5	5,10 Nm
M 6	8,80 Nm
M 8	21,50 Nm
M 10	44,00 Nm

ASSEMBLY - FIXING (FOLLOWING)

Fix the rotation base on the pushpit or on the handrail (tube diameter from 20 to 45 mm).

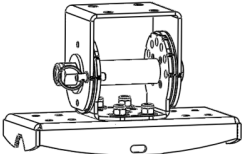
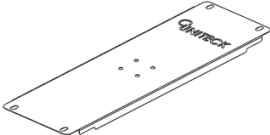
According to the tube diameter, use the 4 appropriate U-bolts.

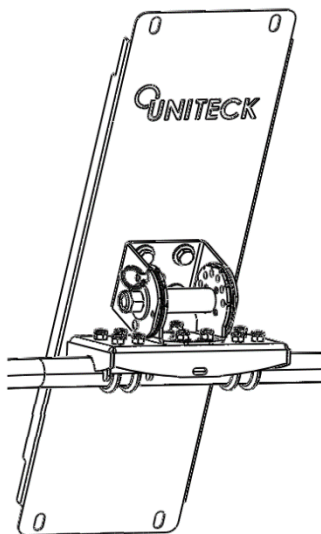
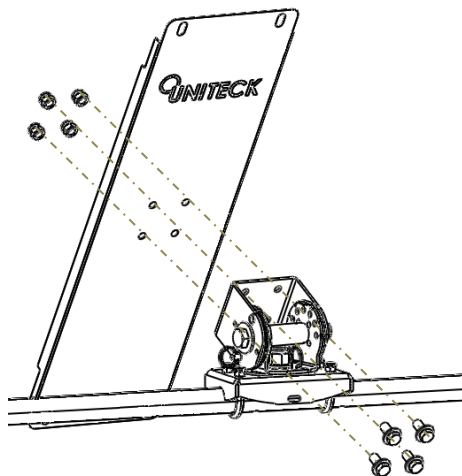
	M6x74x52x35 X4 for 28 to 45mm tube diameter
	M6x53x34x25 X4 for 20 to 28mm tube diameter
	D6 X8
	M6 X8
	N°1 X1
	N°2 X2



ASSEMBLY – FIXING (FOLLOWING)

Fix the item N°3 on the rotation base N°1.

	M8x16 X4
	D8 X4
	M8 X4
	N°1 X1
	N°3 X1

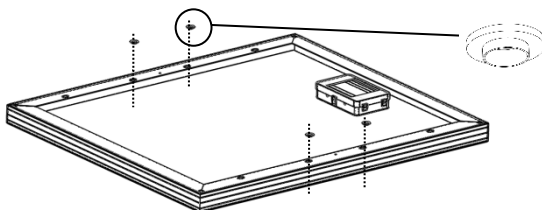


ASSEMBLY – FIXING (FOLLOWING)

Fix your solar panel.

In order to avoid any phenomenon of galvanic corrosion, position the isolating pieces between the anodized aluminium frame of the solar panel and the stainless steel bracket.

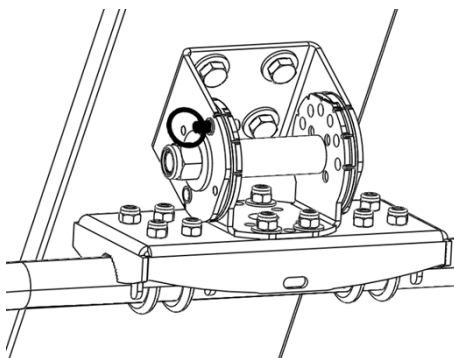
	M8x16 X4
	D8 X4
	M8 X4
	D8 X4



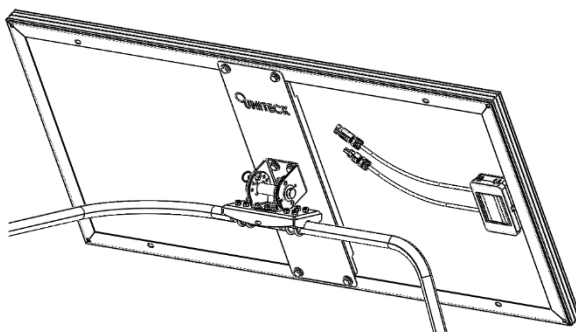
Once you have chosen the inclination, put the locking pin to block the rotation of the Unifix.



X1



When finished, check that your mounting bracket and your solar panel are fixed properly.



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

Caution: Our after-sales service does not accept carriage forward/ collected returns.

After the warranty, our after-sales service ensures repairs after acceptance of a quotation.

After-sales service contact :

UNITECK

3 Avenue de l'Europe

34310 Montady

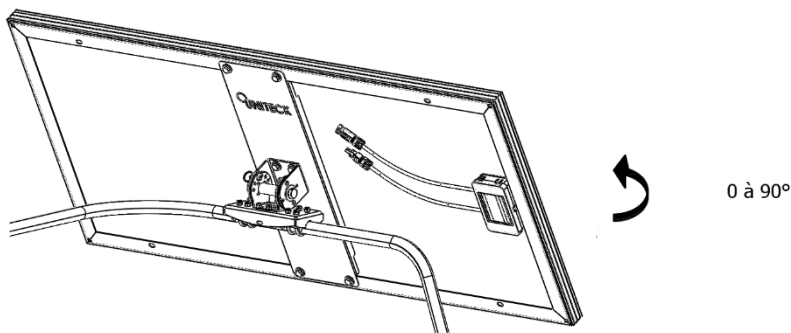
France

E-mail : sav@uniteck.fr

Estimado cliente, gracias por comprar nuestro producto Uniteck. Por favor lea con cuidado todas las instrucciones antes de usar el producto

DESCRIPCIÓN

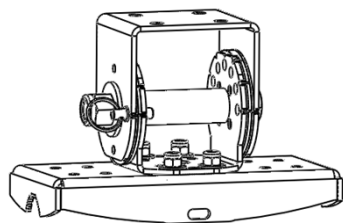
Los soportes Unifix 100.1 WB están concebidos especialmente para fijar sus paneles fotovoltaicos Unisun 80.12M / 100.12M / 100.24M / 110.12BC



Se instalan sobre todos los balcones o pasamanos en tubos de diámetro entre 20 y 45 mm (longitud mínima del tubo: 170mm).

Gracias a sus estructuras y a sus tornillerías en acero inoxidable marino, están perfectamente adaptados para un uso en sitios salinos.

Orientable y reclinable, el soporte Unifix permite aumentar su producción de energía de un 20% hasta un 50% en comparación con una instalación fija estándar



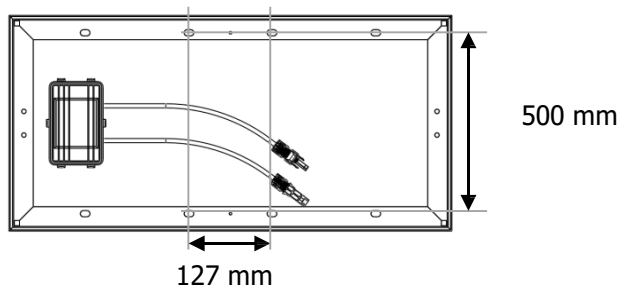
Rendimiento eléctrico según la inclinación y de la orientación del panel				
	0°	30°	60°	90°
Este	93%	90%	78%	55%
Sureste	93%	96%	88%	66%
Sur	93%	100%	91%	68%
Suroeste	93%	96%	88%	66%
Oeste	93%	90%	78%	55%

- Evite las zonas de sombra o que algunos objetos sean fuente de sombra
- Para más energía, es posible usar 2 instalaciones solares :
 - paneles con la misma orientación : instalación en paralelo (dos paneles + un regulador + un kit de cableado + conectores derivación)
 - paneles con orientaciones opuestas : dos instalaciones separadas (un panel + un regulador + un kit de cableado) x2

UNIFIX 100.1 WB

PANELES COMPATIBLES

Unfix 100.1 WB acepta 1 panel con 4 agujeros de marco en las siguientes distancias



RECOMENDACIONES

Monte los soportes Unifix sólo en superficies con capacidad de carga suficiente. Tome en cuenta el peso adicional con el panel:

Soporte	Panel
Unifix 100.1 WB = 3,0 kg	Unisun 80.12M /100.12M /100.24M /110.12BC =6,3kg / 6,8kg / 7,5.kg/ 7,0 kg

Montaje: Para evitar que se acumule una gran cantidad de nieve detrás del sensor, instale rejillas de detención adecuadas.

La disposición de los sensores influye en su rendimiento eléctrico. Elija la inclinación y orientación más óptimas según su entorno. Evite las áreas sombreadas o los objetos que dan sombra (por ejemplo, los árboles).

Antes de montar y conectar, tenga en cuenta lo siguiente:

- Las distancias máximas indicadas a continuación entre cada elemento.
- El orden de conexión

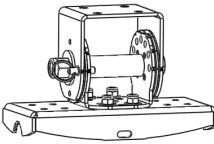
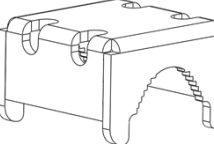
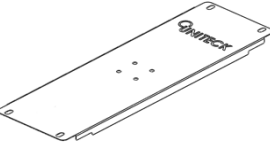
CONSIGNAS DE SEGURIDAD

- Tome las medidas apropiadas para prevenir los accidentes durante sus trabajos de montaje.
- Si el soporte y equipamiento de montaje están expuestos a los rayos del sol durante una larga duración, hay un riesgo de quemadura. Protéjase.
- Al finalizar los trabajos, verifique que sus soportes y paneles están bien fijados.

FIJACIÓN

Lista de piezas

								
M8x20 X8	D8 X8	M8 X8	M6x16 X4	D6 X8	M6 X12	D8x15 X4	M6x53x34x25 X4	M6x74x52x35 X4

			
N°1 X1	N°2 X2	N°3 X1	X1



**Las piezas N°2 son desmontables y resbaladizas.
Durante la instalación, tome sus precauciones para evitar
caídas al mar.**

Par de apriete preconizado

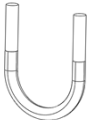
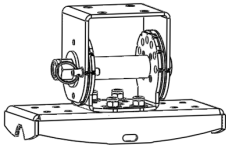
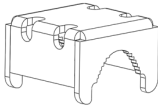
Nb. Coeficiente de fricción medio $\mu=0,20$ / Presión al 50% de la limita elástica

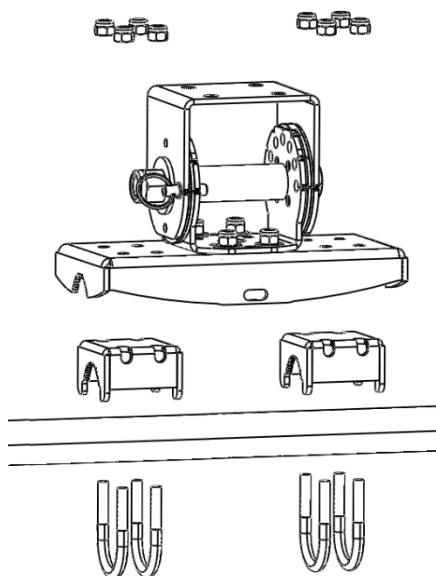
Tornillo	Par
M5	5,10 Nm
M 6	8,80 Nm
M 8	21,50 Nm
M 10	44,00 Nm

FIJACIÓN (CONTINUACIÓN)

Fije la base de rotación N°1 sobre su balcón o su pasamano (tubo con diámetro entre 20 y 45mm).

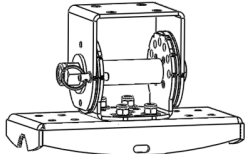
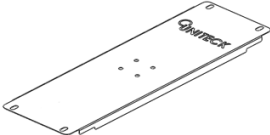
Según el diámetro de la barra, utilice las 4 cadenas de fijación correspondientes.

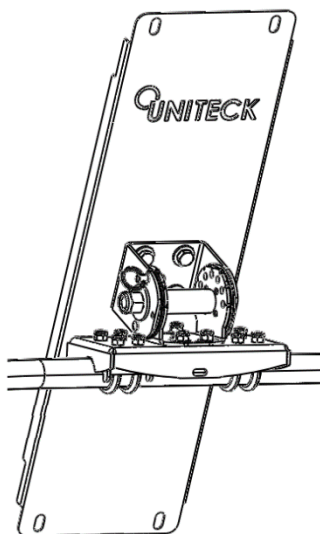
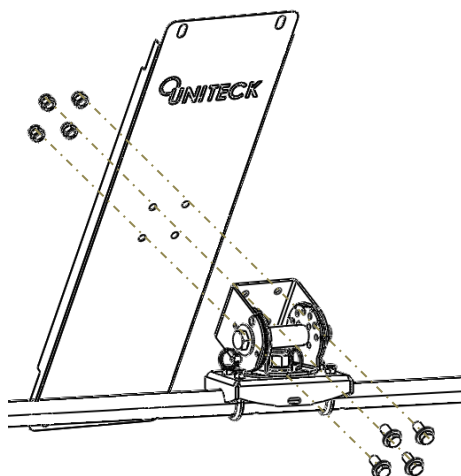
	M6x74x52x35 X4 para barras de 28 a 45mm
	M6x53x34x25 X4 para barras de 20 a 28mm
	D6 X8
	M6 X8
	N°1 X1
	N°2 X2



FIJACIÓN (CONTINUACIÓN)

Fije la pieza N°3 sobre la base de rotación N°1.

	M8x16 X4
	D8 X4
	M8 X4
	N°1 X1
	N°3 X1

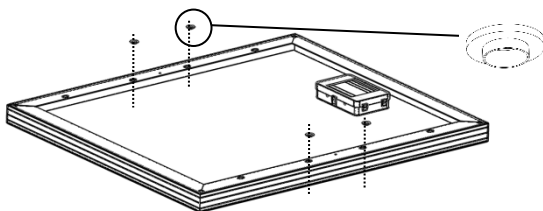


FIJACIÓN (CONTINUACIÓN)

Fije su panel solar.

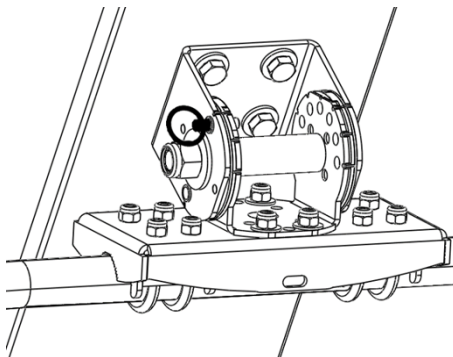
Para evitar el fenómeno de corrosión galvánica, coloque la pieza aislante entre el cuadro del panel solar en aluminio anodizado y el soporte de acero inoxidable.

	M8x16 X4
	D8 X4
	M8 X4
	D8 X4

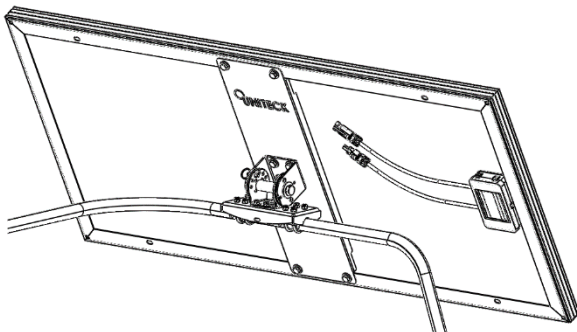


Una vez la orientación elegida, posicione el perno para bloquear la rotación del Unifix.

	X1
--	-----------



Verifique que su soporte y su panel estén fijados correctamente.



GARANTÍA

La garantía cubre todo defecto o todo vicio de fabricación durante 1 año, a partir de la fecha de compra (piezas y mano de obra)

La garantía no cubre :

-el desgaste normal de las piezas

En caso de avería, devuelva el aparato a su distribuidor, con :

- un justificado de compra con fecha (tiquete de caja central, factura, ...)
- una nota explicativa de la avería

Cuidado : nuestro Servicio Postventa no acepta devoluciones a portes debidos.

Después la garantía, nuestro Servicio Postventa asegura las reparaciones después aceptación de un presupuesto.

Contacto SAV :

UNITECK

3 Avenue de l'Europe

34310 Montady

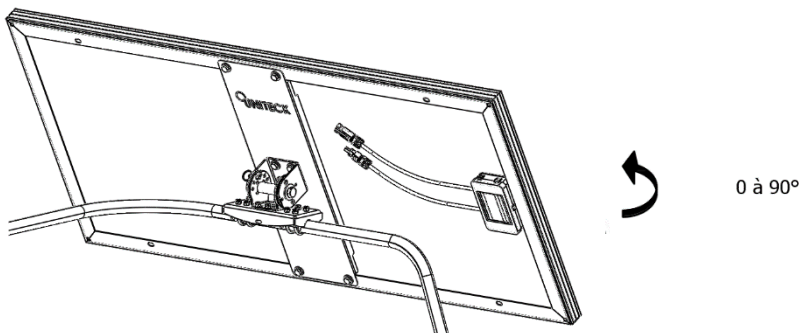
France

mail: sav@uniteck.fr

Gentile cliente, la ringraziamo per il suo acquisto di uno dei nostri prodotti UNITECK. La preghiamo di prendere conoscenza attentamente di tutte le istruzioni, prima di utilizzare il prodotto.

DESCRIZIONE

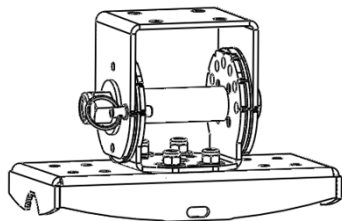
Il supporto Unifix 100.1 WB è stato specialmente progettato per fissare i vostri pannelli fotovoltaici Unisun 80.12M / 100.12M / 100.24M / 110.12BC sulla vostra barca.



Si installa su tutti i balconi o corrimano a forma cilindrica con un diametro di 20 a 45 mm (lunghezza minima del tubo : 170 mm).

Grazie alla loro struttura e alle viti in acciaio inossidabile marino, è perfettamente adatto per un uso in ambiente salino.

Dotati di un sistema d'inclinazione multi-posizione, i supporti Unifix vi permettono di ottimizzare l'efficienza elettrica secondo l'orientamento scelto.



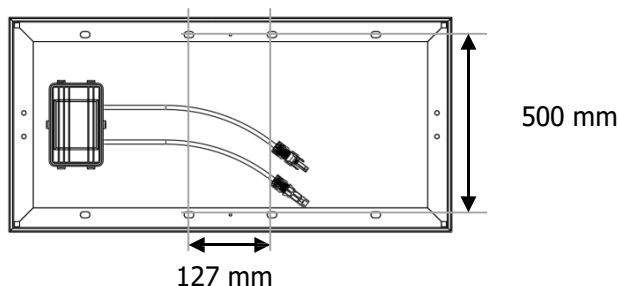
Efficienza elettrica secondo l'inclinazione e l'orientamento del pannello				
	0°	30°	60°	90°
Est	93%	90%	78%	55%
Sud-Est	93%	96%	88%	66%
Sud	93%	100%	91%	68%
Sud-Ovest	93%	96%	88%	66%
Ovest	93%	90%	78%	55%

- Evitare zone ombreggiate o che certi oggetti ombreggino il pannello.
- Per più energia, è possibile utilizzare due installazioni fotovoltaiche:
 - pannelli con lo stesso orientamento : installazione in parallelo (due pannelli + un regolatore + un kit cavi + connettori derivazione)
 - pannelli con orientamenti opposti : due installazioni separate (un pannello + un regolatore + un kit cavi) x2

UNIFIX 100.1 WB

PANNELLI COMPATIBILI

Unifix 100.1 WB accetta 1 pannello con 4 fori nel telaio secondo gli interessi seguenti :



RACCOMANDAZIONI

Montare i supporti Unifix solo su superfici che hanno la capacità di sopportare il loro peso. Tenere conto del peso aggiuntivo del pannello :

Supporto	Pannello
Unifix 100.1 WB = 3,0 kg	Unisun 80.12M /100.12M /100.24M /110.12BC =6,3kg / 6,8kg / 7,5.kg/ 7,0 kg

Fissaggio : per evitare che si accumuli una grande quantità di neve dietro il sensore, installare griglie fermeve.

La disposizione dei sensori influenza l'efficienza elettrica. Scegliere l'inclinazione e l'orientamento più ottimali in funzione del vostro ambiente. Evitare zone ombreggiate o che certi oggetti nascondano il pannello (p.es: albero)

Prima del fissaggio e del collegamento, si prega di rispettare :

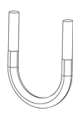
- Le distanzi massime indicate di cui sotto tra ogni elemento.
- L'ordine di collegamento

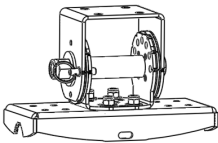
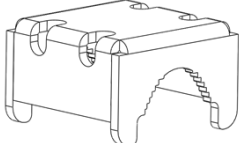
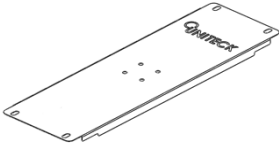
ISTRUZIONI DI SICUREZZA

- Prendere le misure adeguate per prevenire gli accidenti durante i vostri lavori di montaggio.
- Se il supporto e il materiale di montaggio sono esposti al sole per un lungo periodo di tempo, esiste un rischio di ustione. Proteggetevi.
- Alla fine dei lavori, verificare che i vostri supporti e pannelli siano ben fissati.

INSTALLAZIONE - FISSAGGIO

Lista dei pezzi

								
M8x20 X8	D8 X8	M8 X8	M6x16 X4	D6 X8	M6 X12	D8x15 X4	M6x53x34x25 X4	M6x74x52x35 X4

			
N°1 X1	N°2 X2	N°3 X1	X1



I pezzi N°2 sono amovibili e scorrevoli.

Durante il montaggio, siate molto attenti per evitare le cadute fuoribordo.

Coppia di serraggio raccomandata

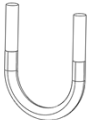
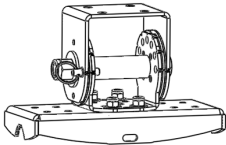
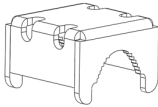
Nb. Coefficiente di attrito medio $\mu=0,20$ / Serraggio al 50% del limite elastico

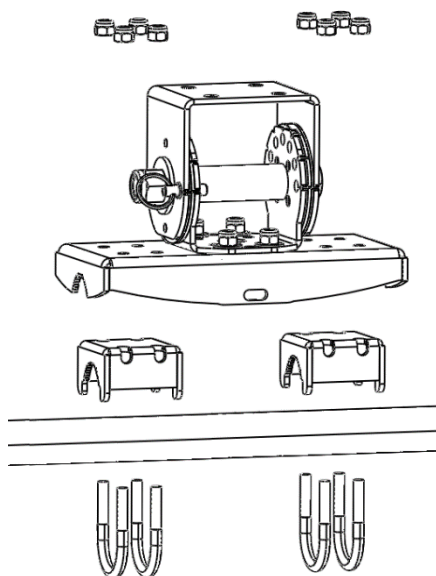
Vite	Coppia
M5	5,10 Nm
M 6	8,80 Nm
M 8	21,50 Nm
M 10	44,00 Nm

INSTALLAZIONE - FISSAGGIO

Fissare la base di rotazione sul vostro balcone o corrimano (diametro di 20 a 45mm).

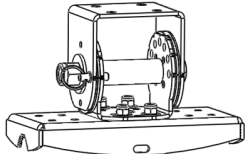
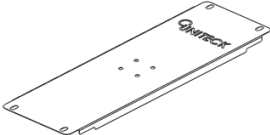
Secondo il diametro del palo, utilizzare i 4 golfari corrispondenti.

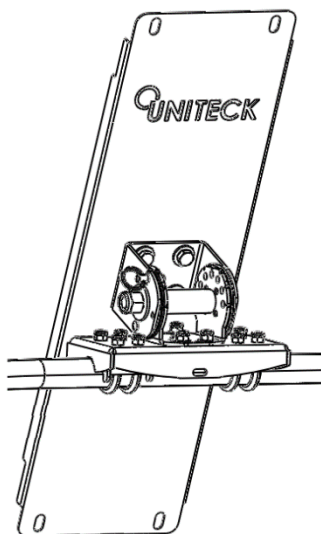
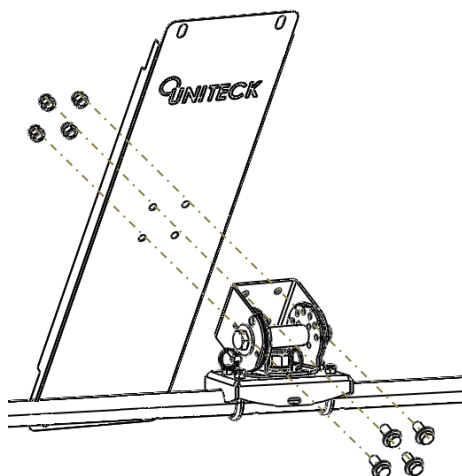
	M6x74x52x35 X4 per pali da 28 a 45mm
	M6x53x34x25 X4 per pali da 20 a 28mm
	D6 X8
	M6 X8
	N°1 X1
	N°2 X2



INSTALLAZIONE - FISSAGGIO

Fissare il pezzo N°3 sulla base di rotazione N°1.

	M8x16 X4
	D8 X4
	M8 X4
	N°1 X1
	N°3 X1

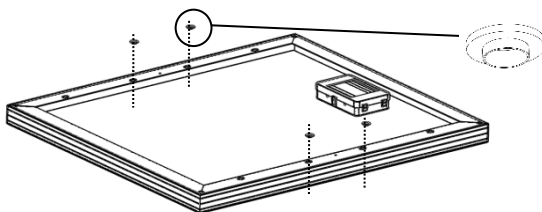


INSTALLAZIONE - FISSAGGIO

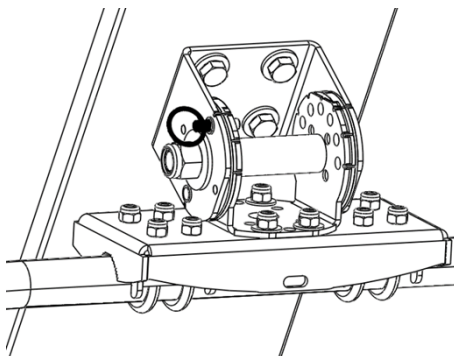
Fissare il vostro pannello fotovoltaico.

Per evitare il fenomeno di corrosione galvanica, posizionare il pezzo isolante tra il telaio del pannello fotovoltaico in alluminio anodizzato e il supporto in acciaio inossidabile.

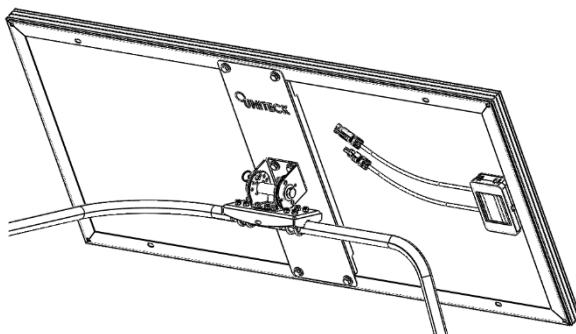
	M8x16 X4
	D8 X4
	M8 X4
	D8 X4



Una volta l'orientamento scelto, posizionare la coppiglia per bloccare la rotazione dell'Unifix.



Verificare che il vostro supporto e il vostro pannello siano correttamente fissati.



GARANZIA

La garanzia copre difetti o vizi di fabbricazione per 1 anno, a partire dalla data di acquisto (pezzi e manodopera).

La garanzia non copre :

- la normale usura dei pezzi
- scorretto montaggio

In caso di difetto, restituire il prodotto al vostro distributore, con, in allegato :

- una prova di acquisto datata (scontrino, fattura...)
- una nota che spiega il difetto

Attenzione : il nostro servizio post vendita non accetta restituzioni porto assegnato

Dopo la scadenza della garanzia, il nostro servizio post vendita garantisce i ripari dopo accettazione di un preventivo.

Contatto servizio post vendita :

Uniteck

3 Avenue de l'Europe

34310 Montady

France

mail: sav@uniteck.fr

Fax: +33 (0)4 88 04 72 20