



Shree Solar



**PRODUCT
CATALOG**

Manufacturer of all types of Solar Structure

Brochure For

**Strut Channel, Clip Channel, Mid end spring nut,
Water Pumping Structure, Mounting Structure**



www.shreesolarventure.com

FRP STRUCTRE MOUNTING

Support Solar Panels Stably

FRP structure mounting, made of FRP, is installed on roof or ground to support the solar panels.


FRP structure mounting is including various structure profiles, which are good UV and aging resistance for durable life. Besides, they can be used in seaside and other harsh environments due to its excellent corrosion and rust resistance performance.

There are many types of panel mounting to be customized.




Type of Structural Profiles


Item	Type
1	Angle
2	C channel
3	Rect box section
4	Sq. box section
5	I beam
6	Rail channel
7	Flat bed strut channel
8	Strut channel
9	Double strut channel
10	Sigma
11	Z profile
12	Custom profile


 1
 Angle

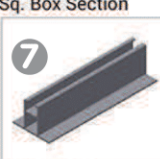

 2
 C Channel


 3
 Rect Box Section


 4
 Sq. Box Section


 5
 I Beam



 6
 Rail Channel


 7
 Flat Bed Strut Channel


 8
 Strut Channel

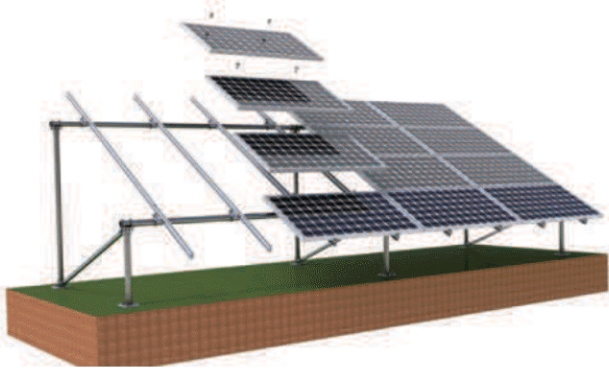

 9
 Double Strut Channel


 10
 Sigma


 11
 Z Profile


 12
 Custom Profile

Types of solar panel mounting



Ground mounting



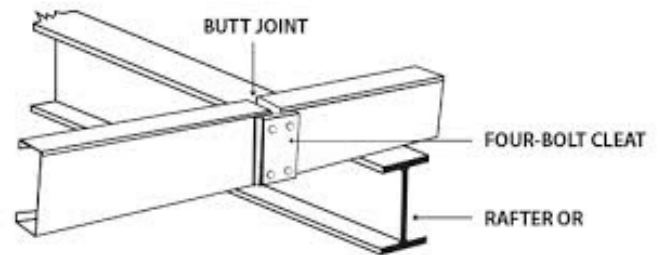
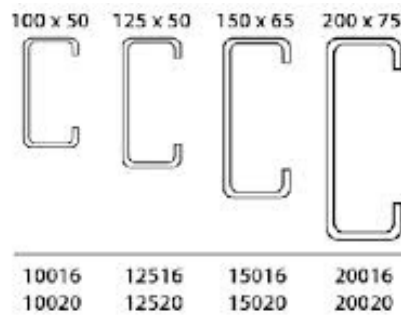
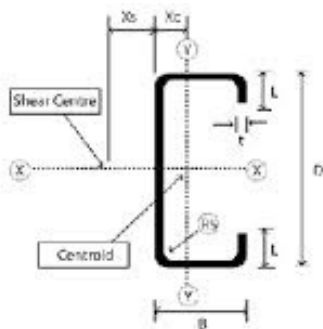
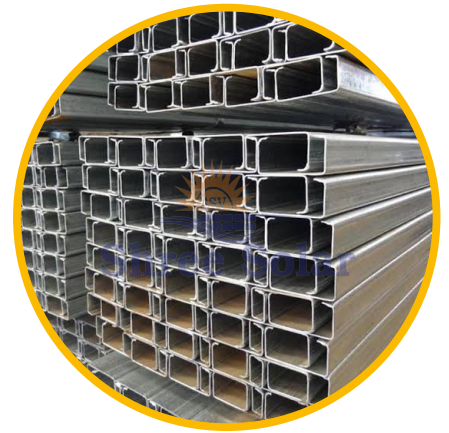
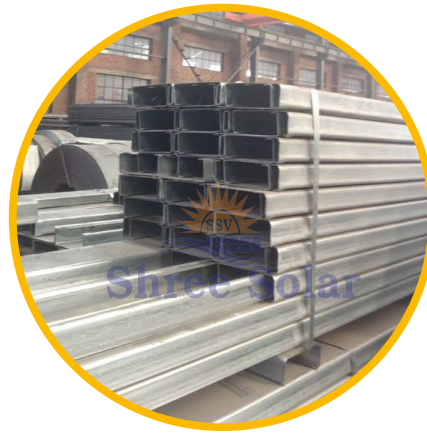
Roof mounting

Features

- *Cost effective.*
- *Various options.*
- *Flexible and adjustable.*
- *Fast and simple assembly.*
- *Highly anti-corrosion.*
- *Withstand high wind speed and rain loads.*
- *Weather-proof.*
- *Adjustable tilt angle.*
- *Superior appearance.*
- *Lightweight.*
- *Fire retardant.*
- *Safety and reliability.*

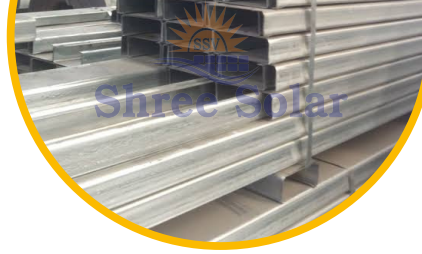


CLIP CHANNELS

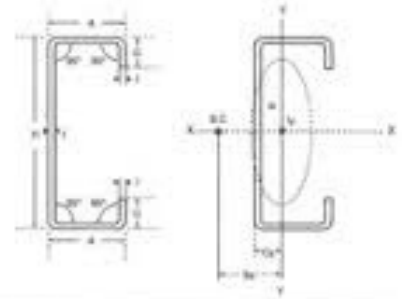


SECTION CODE	DIMENSIONS					AREA mm ²	MASS PER UNIT LENGTH Kg/m	SECOND MOMENT OF AREA		SECTION MODULUS		RADIUS OF GYRATION			
	D	B	L	t	AS			I _x	I _y	Z _x	Z _y	R _x	R _y	X _c	X _s
	mm	mm	mm	mm	mm ²			10 ⁶ mm ⁴	10 ⁶ mm ⁴	10 ³ mm ³	10 ³ mm ³	mm	mm	mm	mm
SKNKT 10016	100	50	16	1.6	351	2.80	0.59	0.14	11.17	4.03	39.9	18.6	16.3	26.2	
SKNKT 10020	100	50	16	2.0	440	3.45	0.76	0.19	14.84	5.45	39.7	18.4	16.1	26.0	
SKNKT 12516	125	50	16	1.6	391	3.10	1.02	0.15	15.74	4.30	48.9	18.4	14.9	25.0	
SKNKT 12520	125	50	16	2.0	485	3.82	1.24	0.18	19.70	5.51	48.6	18.6	15.2	25.6	
SKNKT 15016	150	65	16	1.6	476	3.85	1.78	0.29	23.60	6.32	59.6	23.8	19.4	31.5	
SKNKT 15020	150	65	16	2.0	597	4.73	2.21	0.35	29.30	7.77	59.4	23.6	19.2	31.3	
SKNKT 20016	200	75	16	1.6	591	4.76	3.79	0.45	37.69	7.07	78.6	27.3	21.0	34.9	
SKNKT 20020	200	75	16	2.0	740	5.90	4.78	0.55	46.80	9.47	78.3	27.1	20.8	34.7	

* Custom made Purlin is available upon Request

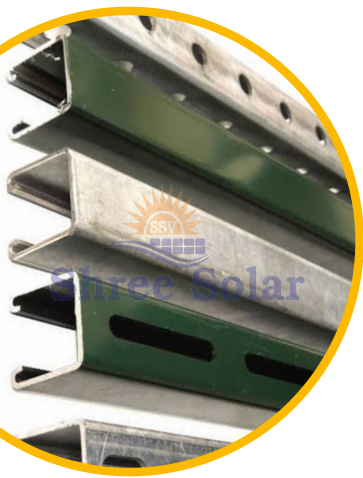


**JIS G 3350 SSC 400
SS 104**



Dimension mm (in)		Sectional Area	Calculated Weight	Centre of Gravity		Secondary Moment of Area		Radius of Gyration of Area		Modulus of Section		Centre of Shear	
HxAxC	t			Cx	Cy	Ix	Iy	ix	iy	Zx	Zy	Sx	Sy
		cm ²	kg/m	cm	cm	cm ⁴	cm ⁴	cm	cm	cm ³	cm ³	cm	cm
250x75x25 (10x3x1)	4.5	18.92	14.9	0	2.07	1690	129	9.44	2.62	135	23.8	5.1	0
	4.0	16.95	13.3	0	2.07	1522	118	9.48	2.64	122	21.8	5.1	0
	3.2	13.73	10.8	0	2.08	1248	99.0	9.53	2.69	99.8	18.2	5.2	0
	3.0	12.91	10.1	0	2.08	1177	93.8	9.55	2.70	94.1	17.3	5.2	0
	2.3	10.00	7.85	0	2.08	921	74.8	9.60	2.73	73.7	13.8	5.3	0
250x75x20 (10x3x¾)	4.5	18.47	14.5	0	1.95	1639	117	9.42	2.52	131	21.0	4.8	0
	4.0	18.55	13.0	0	1.95	1480	107	9.46	2.54	118	19.3	4.9	0
	3.2	13.41	10.5	0	1.95	1214	89.9	9.51	2.59	97.1	16.2	4.9	0
	3.0	12.61	9.90	0	1.95	1145	85.3	9.53	2.60	91.6	15.4	4.9	0
	2.3	9.772	7.67	0	1.95	897	68.1	9.58	2.64	71.8	12.3	5.0	0
225x75x25 (9x3x1)	4.5	17.79	14.0	0	2.19	1310	125	8.58	2.65	116	23.6	5.3	0
	4.0	15.95	12.5	0	2.19	1184	115	8.62	2.68	105	21.6	5.4	0
	3.2	12.93	10.1	0	2.19	972	95.9	8.67	2.72	86.4	18.1	5.4	0
	3.0	12.16	9.54	0	2.19	917	90.9	8.68	2.73	81.5	17.1	5.5	0
	2.3	9.427	7.40	0	2.20	718	72.4	8.73	2.77	63.9	13.7	5.5	0
225x75x20 (9x3x¾)	4.5	17.34	13.6	0	2.05	1274	113	8.57	2.56	113	20.8	5.0	0
	4.0	15.55	12.2	0	2.06	1151	104	8.61	2.58	102	19.1	5.1	0
	3.2	12.61	9.90	0	2.06	946	87.2	8.66	2.63	84.1	16.0	5.1	0
	3.0	11.86	9.31	0	2.06	892	82.7	8.67	2.64	79.3	15.2	5.1	0
	2.3	9.197	7.22	0	2.07	700	66.1	8.72	2.68	62.2	12.2	5.2	0
200x75x25 (8x3x1)	4.5	16.67	13.1	0	2.32	990	121	7.71	2.69	99.0	23.3	5.6	0
	4.0	14.95	11.7	0	2.32	895	110	7.74	2.72	89.5	21.3	5.7	0
	3.2	12.13	9.52	0	2.33	736	92.3	7.79	2.76	73.6	17.8	5.7	0
	3.0	11.41	8.96	0	2.33	694	87.5	7.80	2.77	69.4	16.9	5.7	0
	2.3	8.852	6.95	0	2.33	545	69.7	7.85	2.81	54.5	13.5	5.8	0





PLAIN SUPPORT CHANNEL



Material: Steel
 Finished: Pre-galvanised,
 Hot Dip Galvanised
 Length: 2 mtr, 3 mtr, 6mtr

CAT NO.	METRIC SIZE	US SIZE
ALX-4121	41mmx21mm	1-5/8"X13/16"
ALX-4141	41mmx41mm	1-5/8"X1-5/8"

SLOTTED SUPPORT CHANNEL

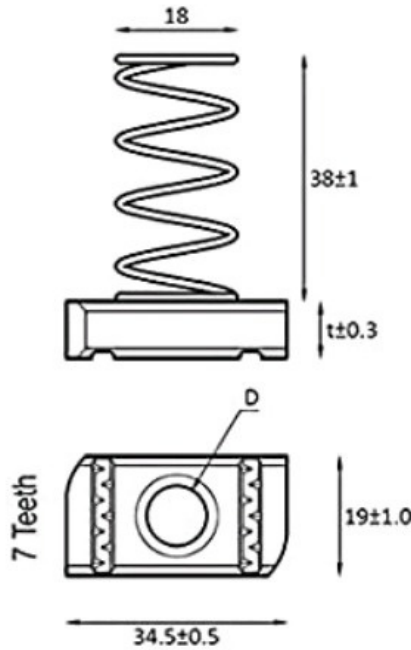


Material: Steel
 Finished: Pre-galvanised,
 Hot Dip Galvanised
 Length: 2 mtr, 3 mtr, 6mtr

CAT NO.	METRIC SIZE	US SIZE
ALX-4121H	41mmx21mm	1-5/8"X13/16"
ALX-4141H	41mmx41mm	1-5/8"X1-5/8"



MID-END SPRING NUT



D	t/mm
Metric	
M6xP1.0	6
M8xP1.25	6
M10xP1.5	9
M12xP1.75	12
Unified	
1/4xP20	6
5/16xP18	6
3/8xP16	9
1/2xP13	12



Nut teeth grip the channel's inturned edges, tying the channel sides together in a "box" configuration for added strength.

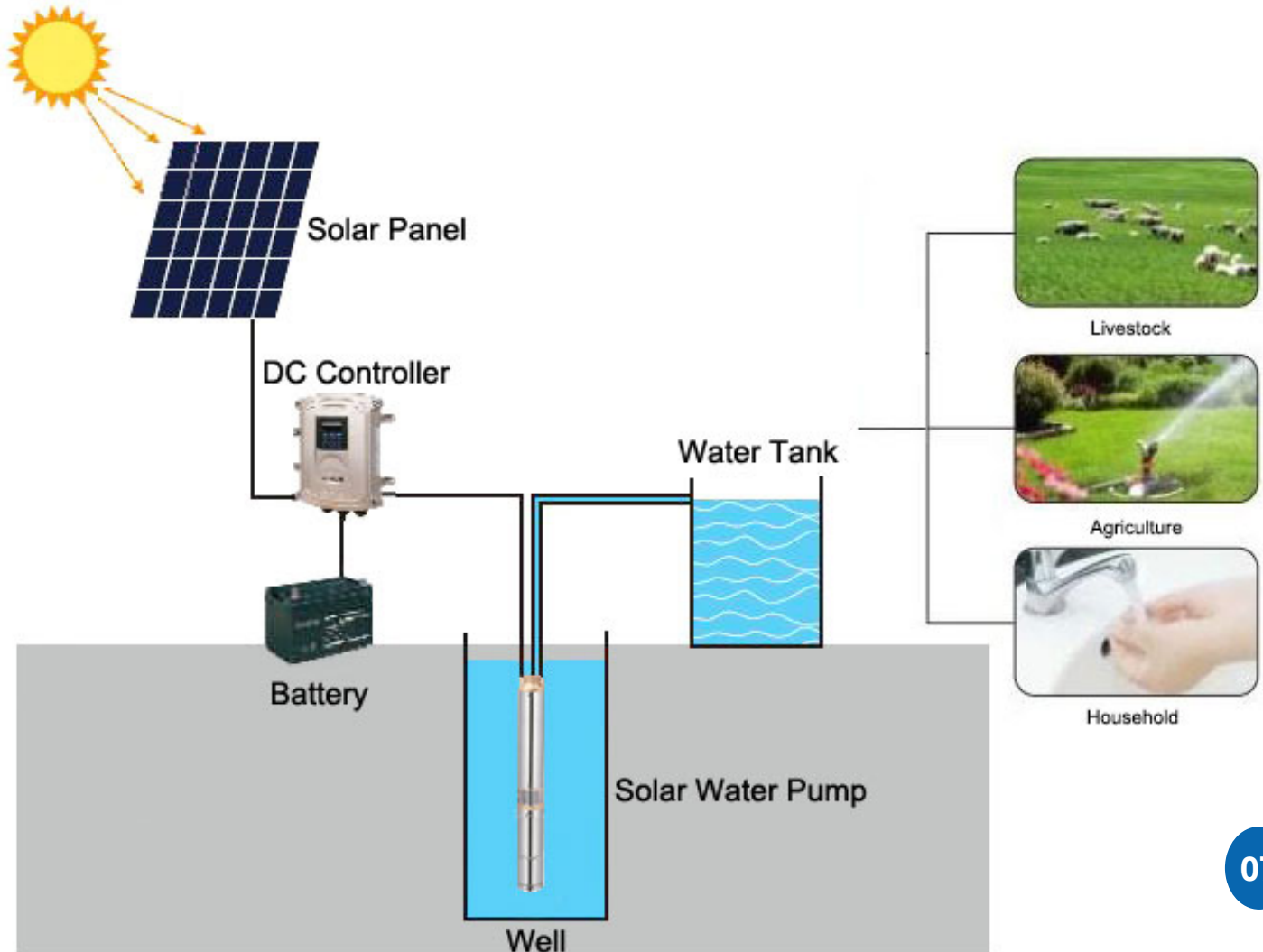
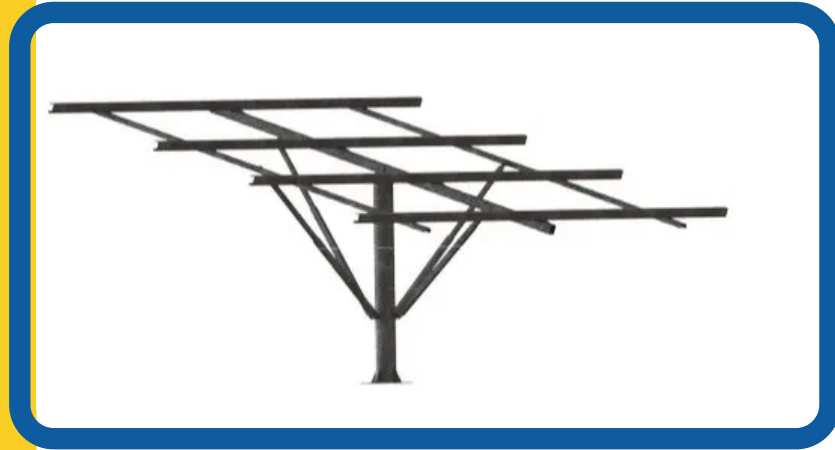
Spring allows precision placement anywhere along channel length, then holds the nut in position while the connection is completed

WATER PUMPING STRUCTURE

Water Pump Structure is the unique item in our product portfolio. We have following a different kind of structure available as per a number of Panel.

Features:

- We can make structures of 4Panel, 6Panel, 8panel, 10panel, or as per customer needs.
- Very Easy to assemble on site.
- We have CAD design team for design structures as per customer requirements.





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