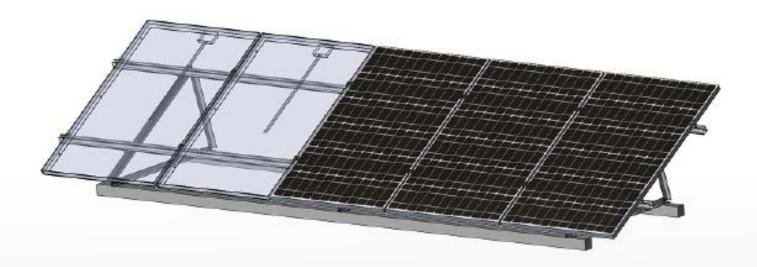


SolarTripod Lite

Installation Guide V 1.1 NO.: PZ35-IM02-11



Last Updated - May. 2022



Production Introduction

PV-ezRack[®] SolarTripod Lite is a pre-assembled mounting system for residential and commercial flat roof. Manufactured from aluminium alloy ensures aesthetic appearance, lightweight and excellent corrosion resistance.

Please review this manual thoroughly prior to installing PV-ezRack[®] SolarTripod Lite. This manual provides supporting documentation for building permit applications relating to PV-ezRack[®] SolarTripod Lite.

When installed in accordance with this guide, the PV-ezRack[®] SolarTripod Lite parts will be structurally adequate. During installation please comply with the appropriate occupational health and safety regulations. Please also pay attention to other relevant regulations of your local region. Please check that you are using the latest version of the installation manual by contacting Clenergy via email at tech@clenergy.com.au, or by contacting your local distributor.

Product Warranty: Please refer <u>PV-ezRack® Product Warranty</u> on our website.

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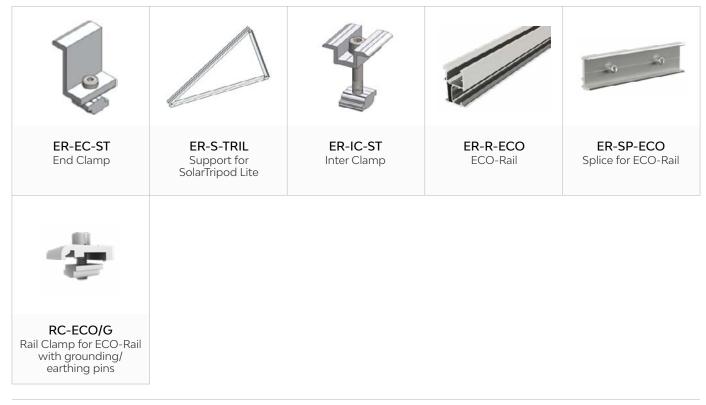
Tools and Components

Tools

| | | State | | and the same a |
|---------------------|-----------------------|---|---------|----------------|
| Allen Key 6&8 mm | Adjustable Spanner | Torque Wrench | 5m Tape | Marker Pen |
| | | | | |
| String | | | | |

Note: the above tools are used for mounting system installation only and not included in Clenergy's supply scope. Any tools for electronic parts installation please consult system installer.

Components



- Tools and Components -



System Overview

System overview of SolarTripod Lite



Stainless Steel Fastener Installation Precautions:

Improper operation may lead to bolt and nut deadlock. Follow the steps below to reduce this risk.

1. Friction coefficient reduction

- (1) Ensure the thread surface is clean and free of all dirt or contaminants.
- (2) Apply lubricant (grease or #40 engine oil) to fasteners prior to tightening to avoid galling or seizing in the threads.

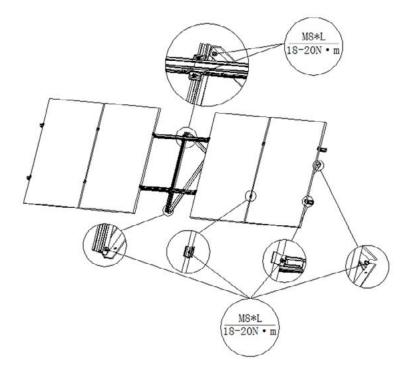
2. General installation instructions

- (1) Apply force to fasteners in the direction of the axis of the thread.
- (2) Apply force uniformly and maintain required torque.
- (3) Professional tools and tool belts are recommended.
- (4) Avoid using electric tools for final tightening.
- (5) Avoid working at high temperatures.



Safe Torques

Please refer to the safe torques defined in this guide as shown below. If power tools are required, Clenergy recommends only low-speed tools. High-speed and impact drivers increase the risk of bolt galling (deadlock). If deadlock occurs and you need to cut the fasteners, please ensure that there is no load on the fastener before cutting. Avoid damaging the anodized or galvanized surfaces.



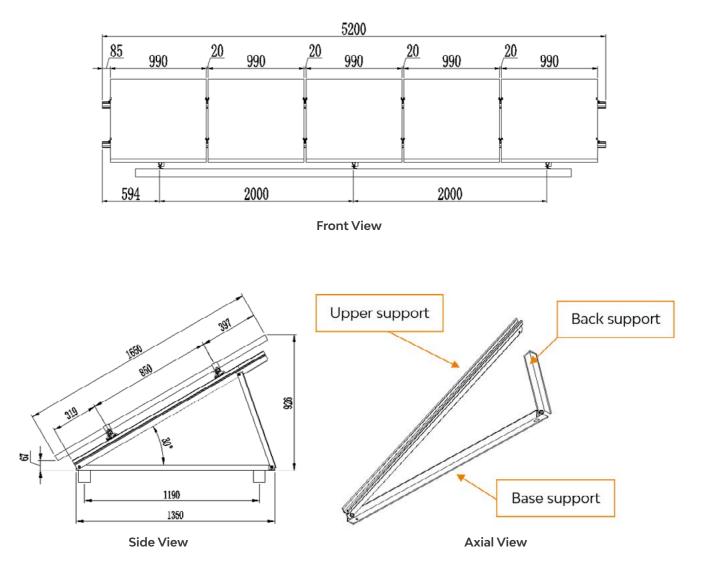
4. These steps should be applied for every stainless steel nut and bolt assembly.

Installation Dimensions

All drawings and dimensions in this installation guide are for a generic reference. The PV-ezRack[®] SolarTripod Lite is optimized to suit the specific conditions for each project and documented in a construction drawing. As a result, major components of the Clenergy PV-ezRack[®] SolarTripod Lite may be provided in section sizes and lengths that vary from those shown in this guide. The installation process detailed in this instruction guide remains the same regardless of the component size. If you need to perform any on-site modifications or alteration of the system in a way that differs from the construction drawing, please provide marked up drawings/sketches for Clenergy's review prior to modification for comment and approval.



Installation Planning



Use PV modules 1650x990x40 (1 row*5 arrays; installation angle is 30°) as example to illustrate how to install PV-ezRack® SolarTripod Lite. All dimensions relating to engineering have to conform to technical drawings for specific project.



Installation Instructions

Install Support for SolarTripod Lite

According to installation planning, unfold the Support for SolaTripod Lite, and use M8 washer, spring washer and nut to fix Base Support on position to be installed as shown in Figure 1 and 2. Do not fasten the bolts tightly for easy adjustment.

Notes:

1. In the fixation scheme of the tripod, bolts for fixing Base support can be embedded ones or expansion ones and its type and length shall be determined according to actual situation of project.

2. Other fixation methods of tripod are determined according to actual situation of project.

Recommended torque: 18-20 N·m for M8 bolt

Use bolt M8*25, M8 plain washer, washer and nut to connect Back Support and Upper Support, and fasten tightly. And then fasten other bolts tightly as shown in Figure 3.

Recommended torque: 18-20 N·m. for M8 bolt

Note:

The direction of all M8*25 bolt heads are as same as installed bolt heads on Base support of Support for Solar Tripod Lite.

Repeat the above steps to fix other Supports for Tripod Lite of the same unit. Adjust installation position of all Supports to guarantee lower end faces of Upper Support are on the same line and installation faces of Upper Support are on the surface of same height. Fasten all bolts tightly as shown in Figure 4.

Recommended torque: 18-20 N·m. for M8 bolt





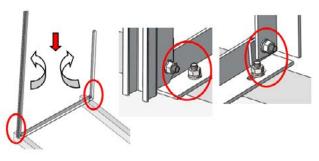


Figure 2

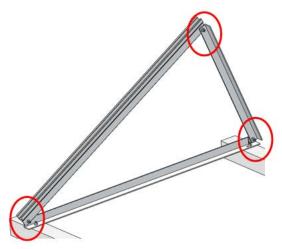
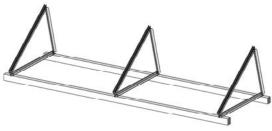


Figure 3







ECO-Rail Installation

Use Splice for ECO-Rail to connect ECO-Rails and fasten with M8 bolt assemblies tightly as shown in Figure 5.

Recommended torque :18-20 N·m. for M8 bolt

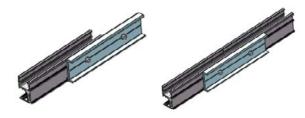
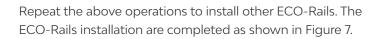


Figure 5

Use Rail Clamp for ECO-Rail or with grounding/earthing pins to fix the connected ECO-Rail on the Upper Support and fasten bolts tightly as shown in Figure 6.

Recommended torque: 18-20 N·m for M8 bolt



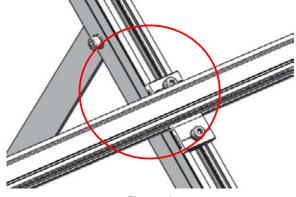


Figure 6



Figure 7



PV Module Installation

According to engineering drawing, place the first PV module on appropriate position. Slide the End Clamp and Inter Clamp tightly against the PV module and fasten them as shown in Figure 8.

Recommended torque for M8 bolts is 18 ~20 N·m.







Figure 8

Repeat above operation to install other PV modules one by one. The whole system is completed as shown in Figure 9.



Figure 9



Certification





Relationships built on trust

Gamcorp (Melbourne) Pty Ltd A.C.N 141 076 904 A.B.N 73 015 060 240 www.gamcorp.com.au Email: melbourne@gamcorp.com.au Suite 4, 346 Ferntree Gully Rd, Notting Hill VIC 3149. Tel: 03 9543 2211 Fax: 03 9543 4046

Our Ref: 3918 Rev.1/K.Z

6 December 2017

Clenergy Australia Ground Floor 10 Duerdin St, Clayton, VIC 3168 Australia



PV Array Frame Engineering Certification

Installation of Clenergy PV-ezRack Solar Tripod Light with ER-R-ECO Rails

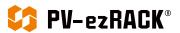
Gamcorp (Melbourne) Pty Ltd, being Structural Engineers within the meaning of Australian Building Regulations, have carried out a structural design check of Clenergy PV-ezRack Solar Tripod Light installation within Australia. The design check has been based on the information and the schematic drawings of the system and its components provided by Clenergy Australia.

We find the Installation of Clenergy PV-ezRack Solar Single Tripod Light for Australian use to be structurally sufficient based on the following conditions:

- Wind loads to AS/NZ1170.2:2011 Wind region A, B, C, D Wind terrain category 1.5, 2, 2.5 & 3
- Wind average recurrence interval of 200 years
- Maximum building height 20m The maximum PV panel dimensions to be 2000mm x 1000mm and 1700mm x 1000mm
- Maximum weight of the PV panel and array frame to be 15 kg/m² Rails to be ER-R-ECO
- The roof interface to be Clenergy PV-ezRack Solar Tripod Light as per drawing PZ35-0-004-10 and PZ35-0-005-10
- The ECO rail clamp is assessed based on test report PZ35-TR04-10 The universal panel clamp is assessed based on test report PZ01-TR77-10 & PZ01-
- TR78-10 The assessment is based on 2 x screw fixings' pull-out capacity of 14g Tek screw into
- 1.5BMT steel structure and JD5 timber structure. Each PV panel to be installed using 2 rails minimum in all circumstances Installation of PV array to be done in accordance with the PV installation manual The certification **excludes** assessment of building structure and PV panels

Refer to attached summary table for interface spacing

Page 1 of 2 ISO 9001:2008 Registered Firm Certificate No: AU1222







Gamcorp (Melbourne) Pty Ltd A.C.N 141 076 904 A.B.N 73 015 060 240 www.gamcorp.com.au Email: melbourne@gamcorp.com.au Suite 4, 346 Ferntree Gully Rd, Notting Hill VIC 3149. Tel: 03 9543 2211 Fax: 03 9543 4046

NOTES: • The recommended spacing nominated in this certification is based on the capacity of the array frame and fixing, not building structure and PV panel. It is the responsibility of the installer to adopt the most critical spacing.

- If any of the above conditions cannot be met, the structural engineer must be notified immediately. .
- Next review date of this document is 21 September 2019.

Construction is to be carried out strictly in accordance with the manufacturers instructions. This work was designed in accordance with the provisions of Australian Building Regulations and in accordance with sound, widely accepted engineering principles.

Yours faithfully, Gamcorp (Melbourne) Pty Ltd

> d 2

Martin Gamble Managing Director MAICD

geris

Kevin Zhang Structural Engineer B.Eng(Civil), M.Eng(Structural)

Page 2 of 2 ISO 9001:2008 Registered Firm Certificate No: AU1222







CONSULT AUSTRALIA

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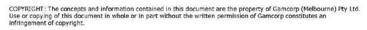
Structural Design Documentation

PV-ezRack Tripod Light System Interface Spacing Table

with ER-R-ECO Rails within Australia Terrain Category 1.5, 2, 2.5 & 3

For: Clenergy Australia

Job Number: 3918 Date: 6 December 2017



LIMITATION: This report has been prepared on behalf of and for the exclusive use of Gamcorp (Melbourne) Pty Ltd's Client, and is subject to and issued in connection with the provisions of the agreement between Gamcorp (Melbourne) Pty Ltd and its Client: Gamcorp (Melbourne) Pt Ltd accepts no lability or responsibility whatsoever for or in respect of any use of or reliance upon this report by any third party.





Relationships built on trust

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ISO 9001:2008 Registered Firm Certificate No: AU1222

Job No: 3918

Client: Clenergy Australia

Project: Tripod Light Interface Spacing Table

Address: within Australia

Australian Standards AS/NZS 1170. 2011 – Structural Design Actions Part 0 – General Principles Part 1 – Permanent imposed and other actions Part 2 – Wind Actions AS 4055 – Wind Loads for Housing AS/NZS 1664 – Aluminium Structures AS 4100 – Steel Structures AS/NZS 4600 – Cold-Formed Steel Structures

Wind Terrain Category:

WTC 1.5, 2, 2.5 & 3

Designed: K.Z Date: Dec-17



| lient: roject: ddress: | Clener Tripod within | Light | Interfa | ice Spaci | ng Table | 3 | | | | | | | | Job: Date: | | 918 c-17 |
|------------------------------|--|---------------------|---------------------------------------|------------------|---------------|-----------------------------------|--|-------------------------|----------------------|---------------------------|---|-----------------|---------------|--------------------|--------------------------------|------------------------|
| esigned: | | | | | | | | | | | | | 3 | Check | ed: | J.Z |
| | Tripod | Light | Interfa | ice Spaci | ng Table | | | | | | | | | | | |
| | Type of Type of Solar P Terrai | f Interf anel Di | imensio | n | | | ECO L-S15& 1m ; 1.7 | | | | | | | | | |
| | Tilt Ang | | n Roof | | | Φ=15 | 0 | | | | | | | | | |
| Wind | Roof Ar | ngle - | | | | €10* | Bui | Iding Heig | aht - H | (m) | | | | | | |
| Region | | + | 155 | | | 5< | 1≤10 | | I | | <h≤15< td=""><td></td><td></td><td>15<</td><td>:H≤20</td><td></td></h≤15<> | | | 15< | :H≤20 | |
| | Comer | Edge | Interm ediate | Internal | Corner | Edge | Interm ediate | Internal | Corner | Edge | Interm ediate | Internal | Corner | Edge | Interm ediate | Interna |
| A | 755 | 1164 | 1596 | 2064 | 755 | 1164 | 1596 | 1995 | 652 | 1002 | 1368 | 1883 | 582 | 891 | 1214 | 1802 |
| в | 508 | 776 | 1054 | 1642 | 508 | 776 | 1054 | 1642 | 440 | 670 | 907 | 1407 | 393 | 597 | 808 | 1248 |
| с | 189 | 301 | 387 | 624 | 189 | 301 | 387 | 624 | 164 | 261 | 334 | 538 | 147 | 233 | 298 | 479 |
| D | 123 | 194 | 249 | 398 | 123 | 194 | 249 | 398 | 106 | 169 | 216 | 344 | 95 | 151 | 193 | 307 |
| Wind | Tilt Ang Roof Ar | ngle - | | | 1 | Φ = 30 ≤10° | Bui | Iding Heig | ght - H | | (H<15 | | Ť | 154 | :H<20 | |
| | Roof Ar | ngle - H | 1≤5 | | | ≤10° 5<ł | Bui H≤10 | | | 10. | (H≤15 | | | 0.05 | H≤20 | |
| | | ngle - | | Internal | Corner | ≤10° | Bui | | ght – H Corner | | CH≤15 Interm ediate | Internal | Corner | 15< Edge | H≤20 Interm ediate | Internal |
| | Roof Ar | ngle - H | l≤5 Interm | Internal 1050 | Corner 333 | ≤10° 5<ł | Bui I≤10 | | | 10. | Interm | Internal 905 | Corner 259 | 0.050 | Interm | Interna 806 |
| Region | Roof Ar | ngle – H Edge | l≤5 Interm ediate | | | ≤10° S<ł Edge | Bui I≤10 Interm ediate | Internal | Corner | 10- Edge | Interm ediate | | | Edge | Interm ediate | Internal 806 541 |
| A A | Roof Ar | Edge 506 | l≤5 Interm ediate 683 | 1050 | 333 | ≤10° 5<} Edge 506 | Bui I≤10 Interm ediate 683 | Internal 1050 | Corner 289 | 10- Edge 438 | Interm ediate 590 | 905 | 259 | Edge 392 | Interm ediate 527 | 806 |
| A B | Corner 333 226 | Edge 506 342 | l≤5 Interm ediate 683 460 | 1050 | 333 226 | ≤10° 5<} Edge 506 342 | Bui Isterm ediate 683 460 | Internal 1050 702 | Corner 289 196 | 10- Edge 438 297 | Interm ediate 590 398 | 905 | 259 176 | Edge 392 265 | Interm ediate 527 356 | 80 |

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| | K.Z | Austr | alia | ice Spaci | | | | | | | | | | Checked: J.Z | | | | | |
|--------------------------|--|------------------------------|--------------------------------|------------|----------|-----------------------------------|--|--------------------|---------------|--------------------|--|----------|--------|--------------|-------------------------|----------|--|--|--|
| | Tripod | Light | Interfa | ice Spaci | ng Table | l. | | | | | | | | | | | | | |
| | Type of Type of Solar P Terrai | Interf anel Di | mension | n | | | | 30/135/G n x 1m | ; S-TRII | S158 | 30/170, | | | | | | | | |
| | Tilt Ang Roof Ar | | n Roof | | | Φ = 15° ≤10° | | | | | | | | | | | | | |
| Wind | | | | | | | | Iding Heig | aht - H (| | | | | | | | | | |
| Region | | 1.00 | l≤5 Interm | | | 1.0 | l≤10 Interm | | | 1.5 | <h≤15 Interm</h≤15 | | | 1 | H≤20 Interm | | | | |
| | Comer | Edge | ediate | Internal | Corner | Edge | ediate | Internal | Corner | Edge | ediate | Internal | Corner | Edge | ediate | Internal | | | |
| A | 684 | 1052 | 1438 | 1918 | 609 | 933 | 1272 | 1833 | 545 | 834 | 1134 | 1758 | 501 | 765 | 1040 | 1619 | | | |
| В | 461 | 702 | 952 | 1479 | 410 | 625 | 846 | 1308 | 368 | 560 | 756 | 1166 | 339 | 515 | 695 | 1068 | | | |
| С | 172 | 273 | 351 | 565 | 153 | 243 | 312 | 501 | 137 | 218 | 280 | 448 | 127 | 201 | 257 | 412 | | | |
| D | 111 | 177 | 226 | 361 | 99 | 158 | 201 | 321 | 89 | 142 | 181 | 288 | 82 | 130 | 166 | 265 | | | |
| Wind | Tilt Ang Roof Ar | ngle - | n Roof I≤5 | | 1 | Φ = 30 ≤10° 5<8 | Bui | lding Heig |)ht - H (| | <h≤15< th=""><th></th><th>1</th><th>15<</th><th>:H≤20</th><th></th></h≤15<> | | 1 | 15< | :H≤20 | | | | |
| Wind | | ngle – H | i≤5 Interm | Internal | Corner | ≤10° 5<∤ | Bui I≤10 | Iding Heig | oht – H (| 10 | Interm | Internal | Corner | 15< Edge | Interm | Internal | | | |
| Wind Region | Roof Ar | ngle – H Edge | l≤5 Interm ediate | | 10000000 | ≤10° 5<† Edge | Bui I≤10 Interm ediate | Internal | Corner | 10• Edge | Interm ediate | | | Edge | Interm ediate | | | | |
| Wind Region | Corner 303 | Edge 459 | i≤5 Interm ediate 619 | 950 | 270 | ≤10° 5<† Edge 409 | Bui I≤10 Interm ediate 551 | Internal 843 | Corner 243 | 10- Edge 367 | Interm ediate 494 | 754 | 223 | Edge 338 | Interm ediate 454 | 692 | | | |
| Wind Region A B | Roof Ar | ngle - Edge 459 311 | l≤5 Interm ediate | 950 636 | 10000000 | ≤10° 5<1 Edge 409 277 | Bui I≤10 Interm ediate | Internal | Corner | 10• Edge | Interm ediate | | | Edge | Interm ediate | | | | |
| Wind Region | Corner 303 | Edge 459 | i≤5 Interm ediate 619 | 950 | 270 | ≤10° 5<† Edge 409 | Bui I≤10 Interm ediate 551 | Internal 843 | Corner 243 | 10- Edge 367 | Interm ediate 494 | 754 | 223 | Edge 338 | Interm ediate 454 | | | | |

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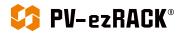
| Typ Typ Sol Ter Tilt | rpe of R rpe of Ir blar Pan errain c It Angle | tail nterfa iel Dir | | ice Spaci | | | | | | 5 | Checked: J.Z | | | | | |
|---|---|---------------------------|------------------|------------|------------|---|------------------|------------|---------|------------|---|------------|------------|------------|------------------|------------|
| Roc Wind | Type of Rail Type of Interface Solar Panel Dimension Terrain category Tilt Angle from Roof Roof Angle – | | | | | ER-R-ECO S-TRIL-S15830/135/G; S-TRIL-S15830/1 2m x 1m; 1.7m x 1m 2 | | | | | | | | | | |
| Wind | nor range | | Roof | | | Φ = 15 ≤10° | 0 | | | | | | | | | |
| Region | 10.000 | - | | | | | | Iding Heig | ght - H | | | | 2 | | | |
| | - 1 | H | 1≤5 | - | - | 5<1 | 1≤10 | | | 10- | <h≤15< td=""><td></td><td>-</td><td>15<</td><td>H≤20</td><td></td></h≤15<> | | - | 15< | H≤20 | |
| Cor | omer E | Edge | Interm ediate | Internal | Corner | Edge | Interm ediate | Internal | Corner | Edge | Interm ediate | Internal | Corner | Edge | Interm ediate | Internal |
| A 6: | 623 9 | 955 | 1303 | 1849 | 512 | 782 | 1062 | 1656 | 463 | 705 | 957 | 1485 | 436 | 665 | 901 | 1396 |
| B 43 | 420 0 | 639 | 866 | 1340 | 346 | 525 | 709 | 1091 | 313 | 475 | 640 | 983 | 296 | 448 | 604 | 925 |
| C 1 | 157 3 | 249 | 319 | 513 | 129 | 205 | 263 | 420 | 117 | 186 | 237 | 380 | 111 | 175 | 224 | 358 |
| D 10 | 102 1 | 161 | 206 | 329 | 84 | 133 | 170 | 270 | 76 | 120 | 154 | 244 | 72 | 114 | 145 | 231 |
| Region | omer E | Edge | Interm | Internal | Corner | Edge | l≤10 Interm | Internal | Corner | Edge | H≤15 | Internal | Corner | Edge | H≤20 Interm | Internal |
| | | -age | ediate | | corner | coye | ediate | | Corner | cage | ediate | | Contra | Luge | ediate | |
| A 23 | 276 4 | | | | | | | | | | | | | | | |
| - CO | | 419 | 564 | 863 | 228 | 345 | 464 | 707 | 207 | 312 | 419 | 638 | 195 | 295 | 396 | 602 |
| B 11 | | 419 284 | 564 381 | 863 579 | 228 155 | 345 234 | 464 314 | 707 476 | 207 | 312 212 | 419 284 | 638 430 | 195 133 | 295 200 | 396 268 | 602 406 |
| | 188 3 | | | | | | | | | | | | | | | |

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| | within K.Z | | | Const | na Table | | | | | | | | ŝ | Check | ed: | J.Z |
|----------------|--|----------------|----------------------|----------|-------------------|----------------|------------------|--------------------|-----------|------|--|----------|--------|-------|------------------|----------|
| | Type of Type of Solar P Terrain | Rail Interf | ace imensio | n | ng Table | ER-R- S-TRI | | 30/135/G m x 1m | ; S-TRII | S158 | 30/170, | | | | | |
| | Tilt Ang | | n Roof | | | Φ = 15 | • | | | | | | | | | |
| Wind | Roof Ar | ngle - | | | | €10* | Bui | Iding Heid | aht - H (| m) | | | - | | | |
| Region | | H | 155 | | | 5< | H≤10 | | | 10- | <h≤15< td=""><td></td><td></td><td>15<</td><td>H≤20</td><td></td></h≤15<> | | | 15< | H≤20 | |
| | Comer | Edge | Interm ediate | Internal | Corner | Edge | Interm ediate | Internal | Corner | Edge | Interm ediate | Internal | Corner | Edge | Interm ediate | Internal |
| A | 534 | 816 | 1109 | 1732 | 454 | 691 | 937 | 1455 | 416 | 634 | 858 | 1328 | 394 | 599 | 811 | 1252 |
| В | 361 | 548 | 740 | 1140 | 307 | 466 | 628 | 963 | 282 | 427 | 576 | 881 | 267 | 404 | 544 | 833 |
| С | 135 | 214 | 274 | 439 | 115 | 182 | 233 | 372 | 105 | 167 | 214 | 341 | 100 | 158 | 202 | 323 |
| D | 88 | 139 | 177 | 282 | 75 | 118 | 151 | 240 | 69 | 109 | 139 | 220 | 65 | 103 | 131 | 208 |
| Wind Region | | - | Interm | Internal | Corner | Edge | Interm | Internal | Corner | Edge | Interm | Internal | Corner | Edge | Interm | Internal |
| Region | Corner | Edge | adiata | | 100 1100 m - 4400 | | eurate | | | | | | | | eurare | |
| | | | ediate | 725 | 203 | 306 | 411 | 626 | 186 | 281 | 377 | | | 266 | 357 | 543 |
| A | 238 | 359 | ediate 483 | 738 | 203 | 306 | 411 | 626 | 186 | 281 | 377 | 387 | 176 | 266 | 357 | 543 |
| A | 238 162 | 359 244 | ediate 483 327 | 496 | 138 | 208 | 279 | 422 | 127 | 191 | 256 | 387 | 120 | 181 | 242 | 367 |
| A | 238 | 359 | ediate 483 | | | | | | | | | | | | | |

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| | Compo | onents | | 1 | Part Num | ber | | 5 1170.2 Desci | iption | | | | | | 1 |
|---|---|---|---|--|--|---|--|---|---|--|---|---|---|--|---|
| | ECO Ra | úl. | | 1 | ER-R-ECO | | | panel | support | ing rail | | | | | 1 |
| | Tripod | Light (| 50 cells) | | S-TRIL-S1 S-TRIL-S3 | | | as per | drawin | g PZ35 | 0-004-10 |) | | | |
| | Tripod | Light (| 72 cells) | | S-TRIL-S1 S-TRIL-S3 | | | as per | drawin | g PZ35 | 0-005-10 |) | | | 1 |
| | Univers | al Pan | el Clamp | | C-U/30/46 | | | as per | test re | port PZ | 01-TR77- | 10 & PZ | 01-TR7 | 8-10 | 1 |
| | Rail Cla | mp for | ECO Ra | ail l | RC-ECO/G | | | as per | test re | port PZ | 35-TR04- | 10 | | | |
| | | | | | | | | | | | | | | | 1 |
| ote 2 | Refer a | ttache | Gamco | orp Roof D | efinition a | and Figure | 5.3 of AS/ | VZS 117 | 0.2:201 | 1 for de | finition o | of roof zo | ones | | |
| ote 3 | scatter | ed obst | ructions | s having h | | errain, incl nerally from r hectare. | | | | | | | | | |
| | heights | gener Refer | clause | n 3m to 1 | Om. For ex | rous closely xample, sui 70.2-2011 | burban ho | using or | light in | dustrial | | | | | |
| ote 4 | All hole | s must | be pre | drilled, w | ith minimu | um screw e | mbedmen | t of 35 n | into | timber. | | | | | |
| ote 5 | Recom | mende | Screw | s | | | | | | | | | | | |
| | Metal | Purlin, | Batter | 1 | Fastene | rs to Use | | | | | | | | | |
| | BMT 1. | 2mm - | 2.4mm | | 14g-10 T | PI Teks sci | rews | | | | | | | | |
| | Timbe | r Rafte | r & Pu | rlin/Batt | Fastene | rs to Use | | | | | | | | | |
| | Softwo | od and | Hardwo | od (35mr | 14g-10 T | PI (T17s) | | | | | | | | | |
| | embed | ment d | epth or | more) | | | | | | | | | | | |
| ote 6 | | | | | | | uarter len | | | | | | | | |
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